

DEC 16 2005



Title: AGONIST ANTIBODIES
Inventor(s): Naoshi Fukushima, et al.
Appl. No.: 10/645,085

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Fig. 1

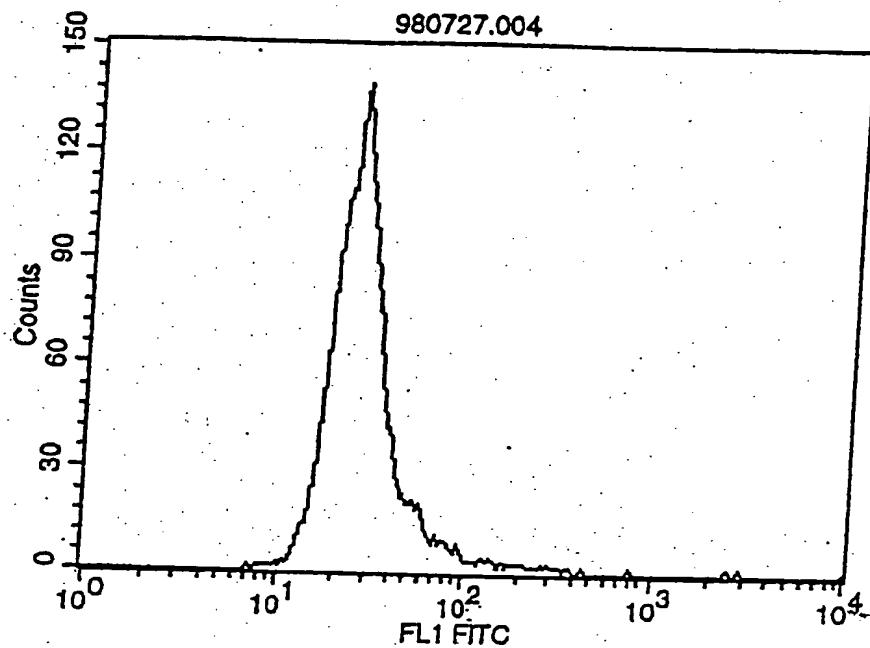
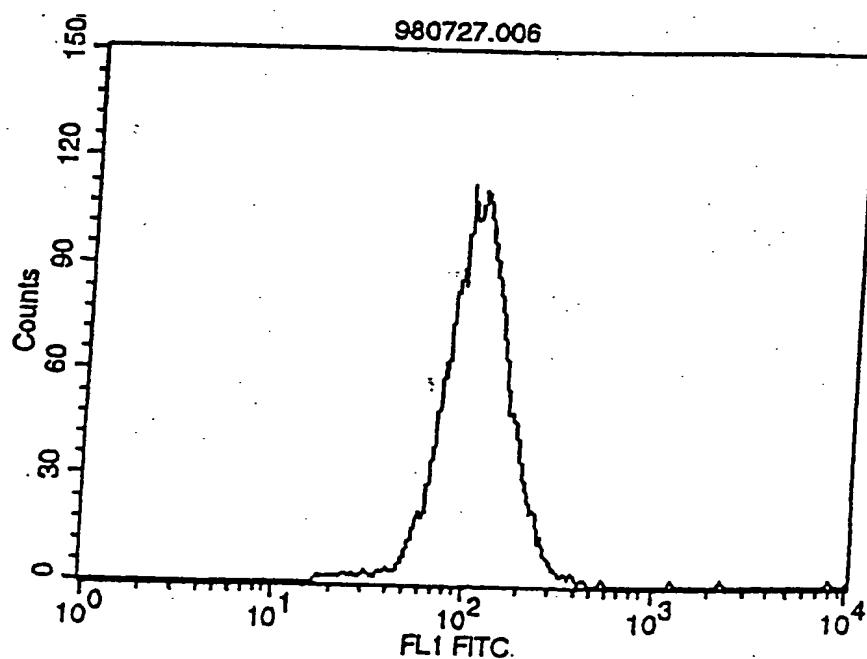


Fig. 2



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Fig. 3

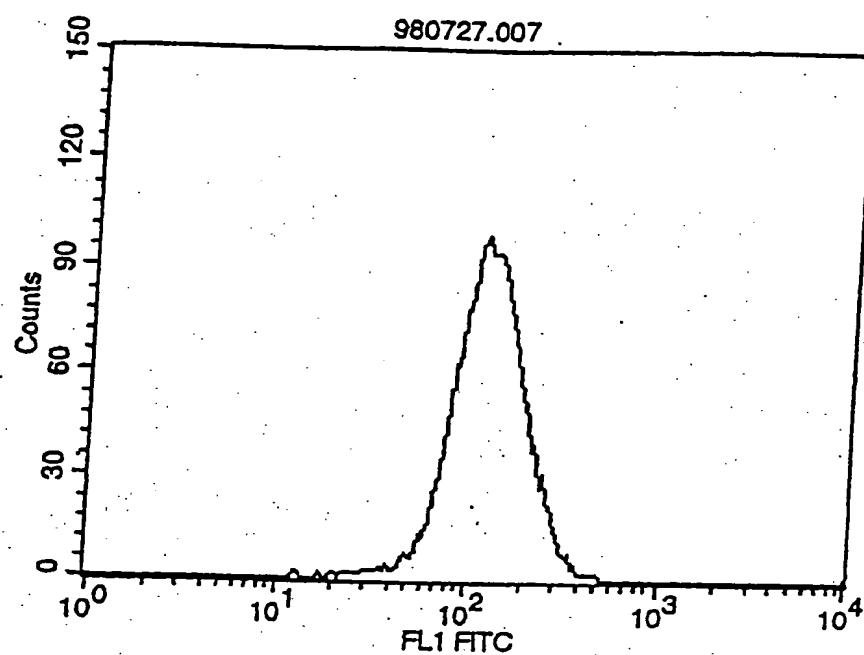


Fig. 4

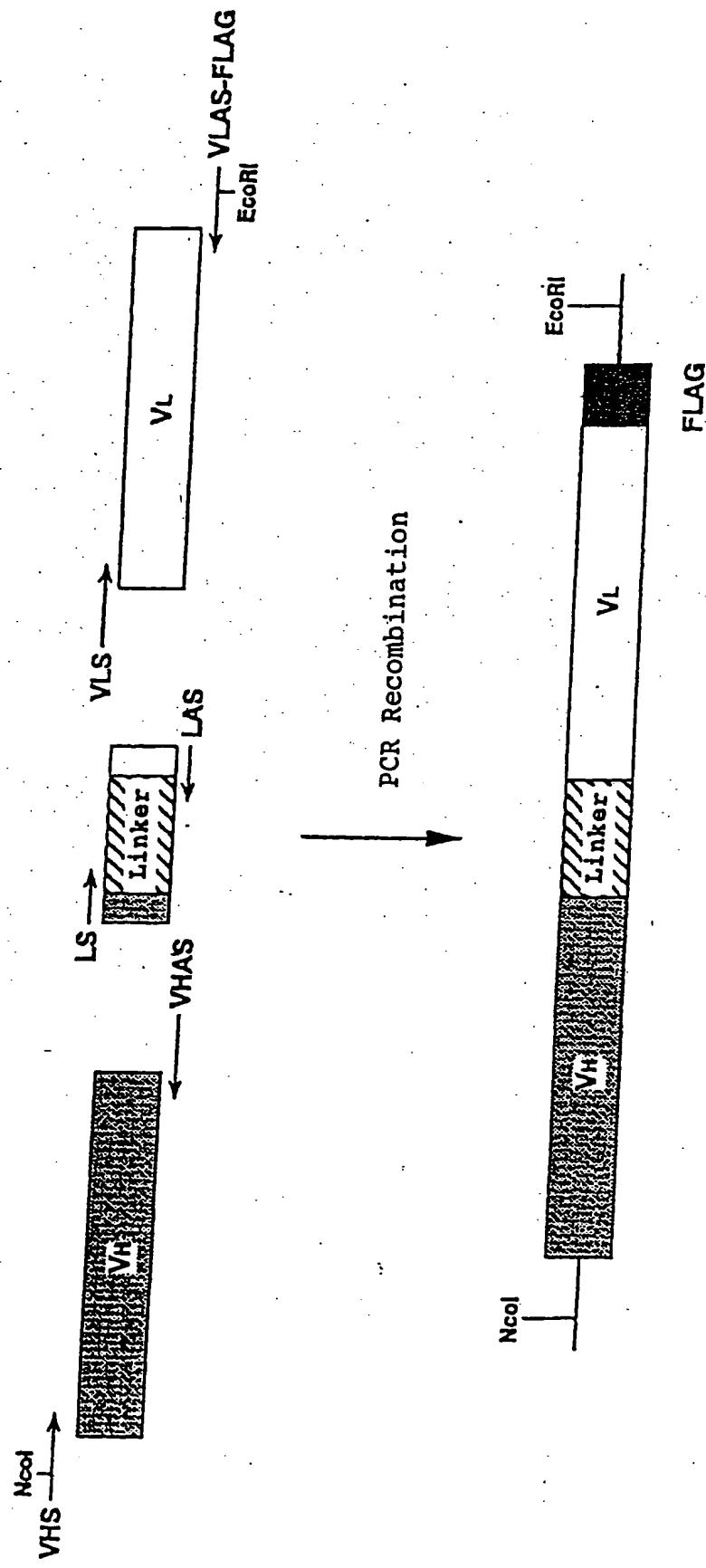


Fig. 5

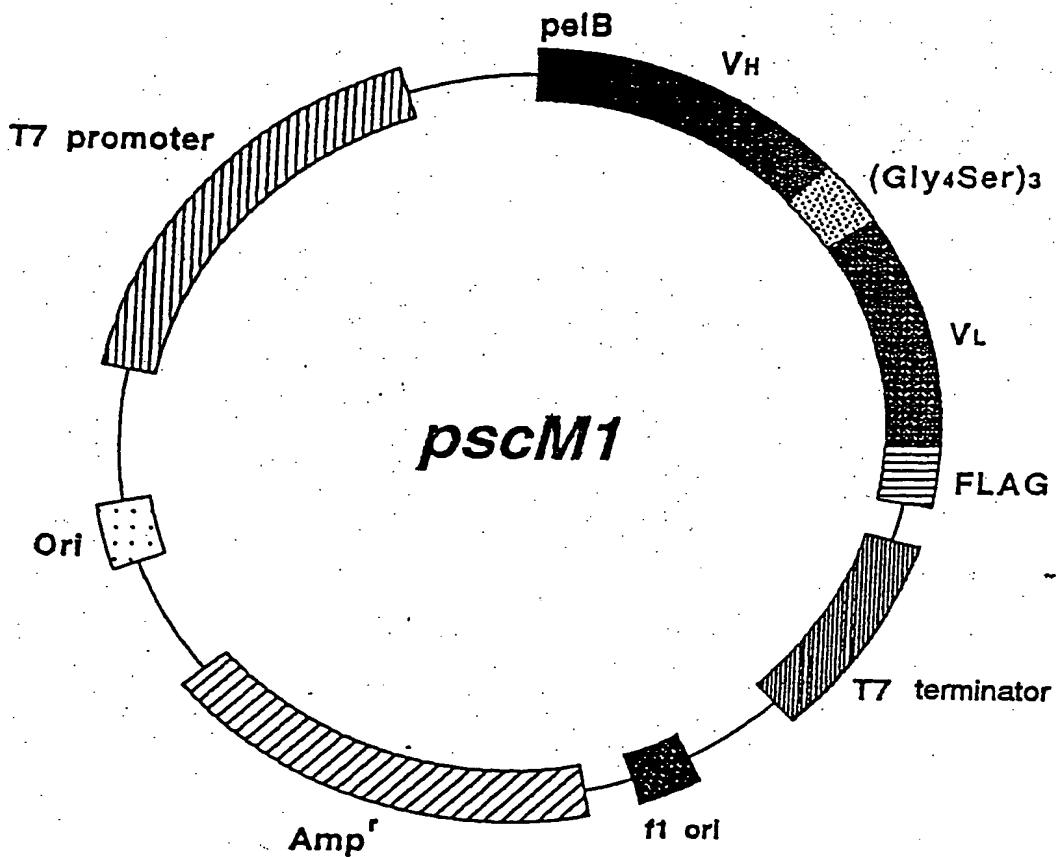


Fig. 6

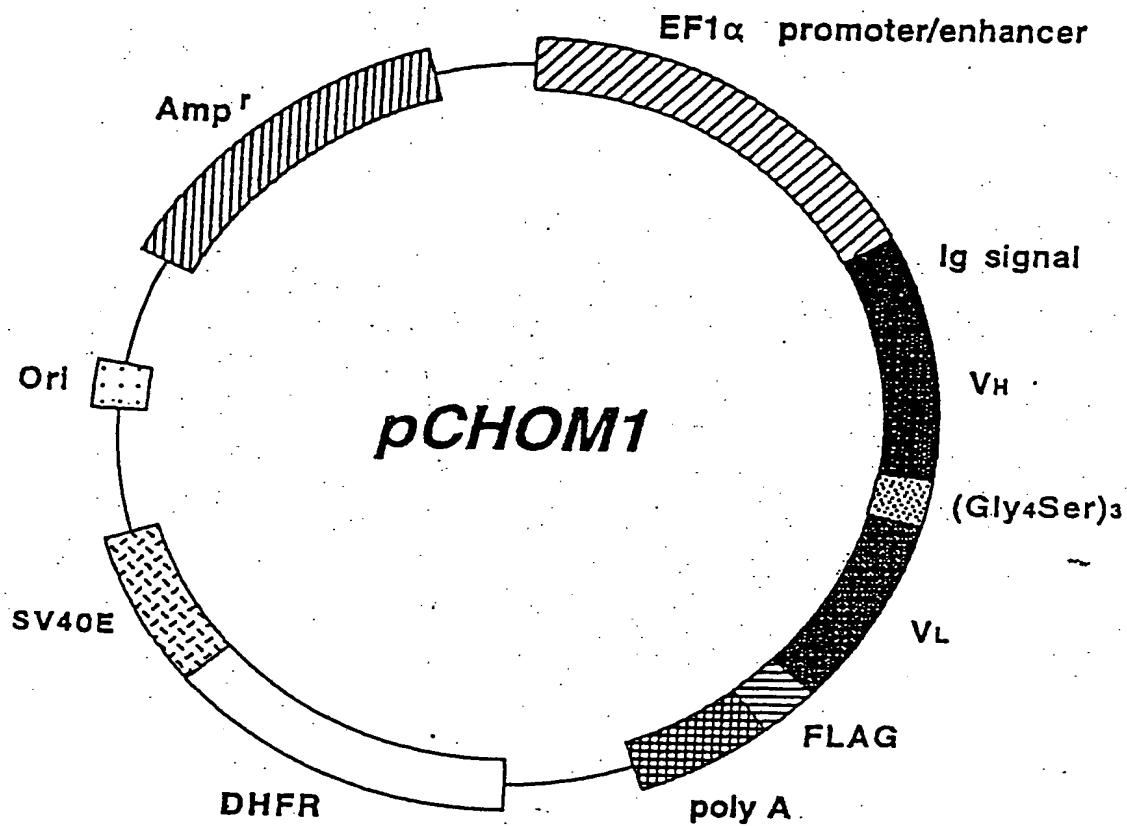
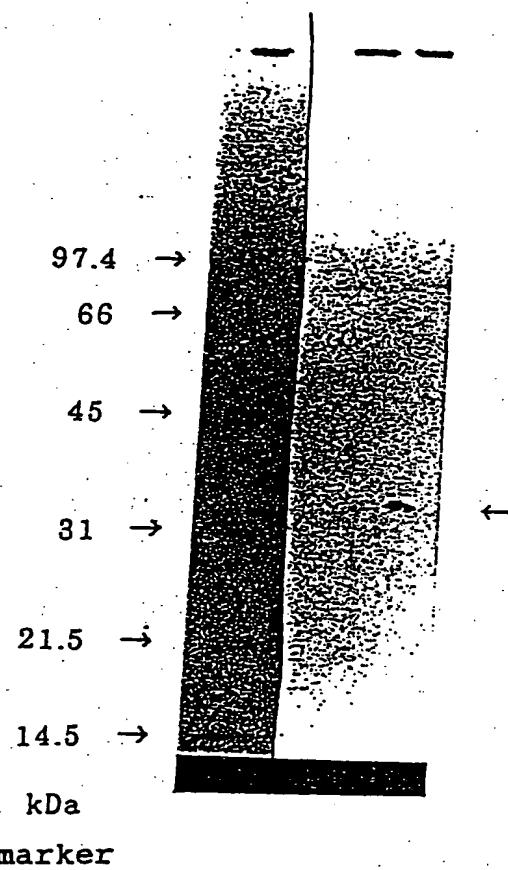
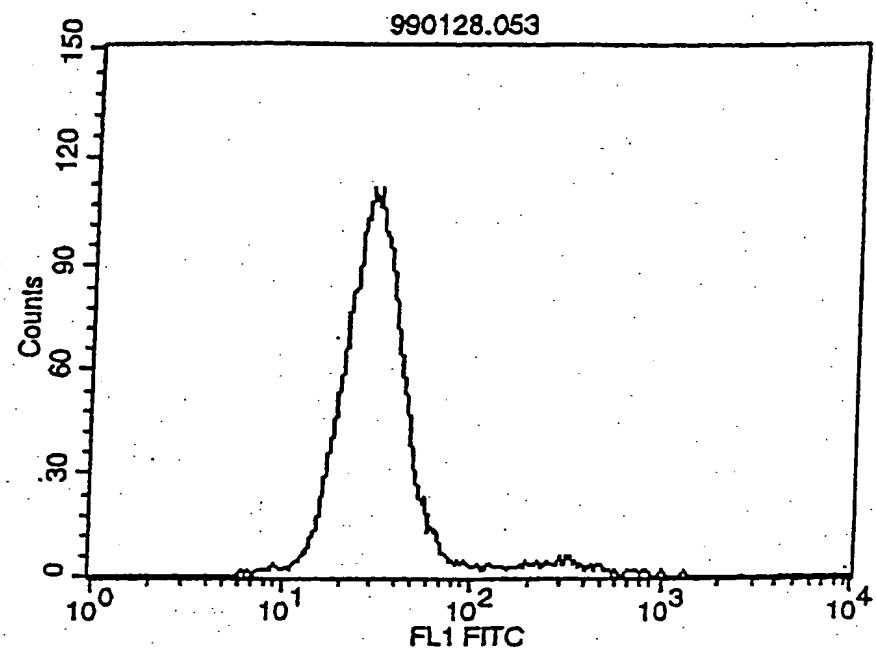
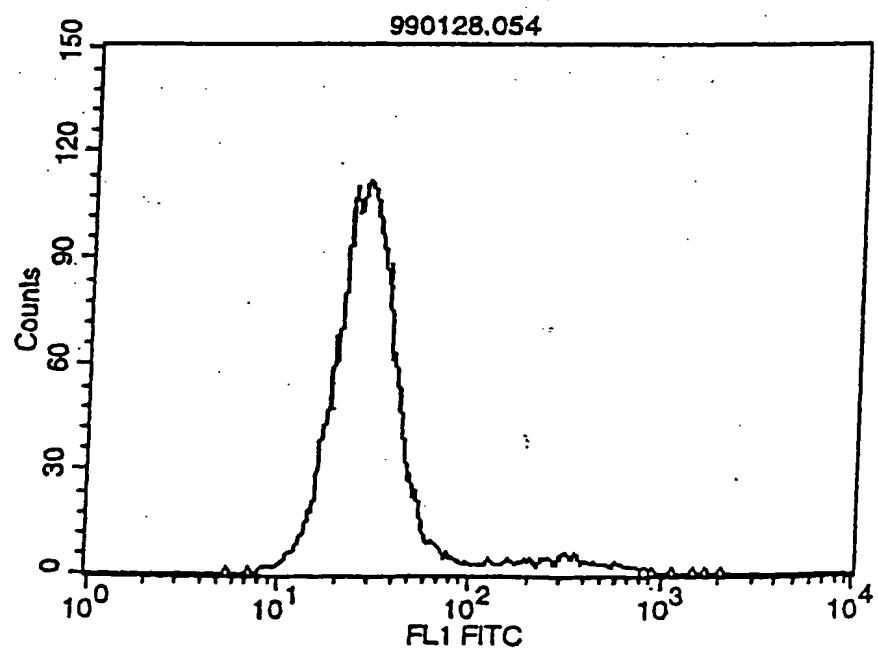


Fig. 7



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Fig. 8**Fig. 9**

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Fig. 10

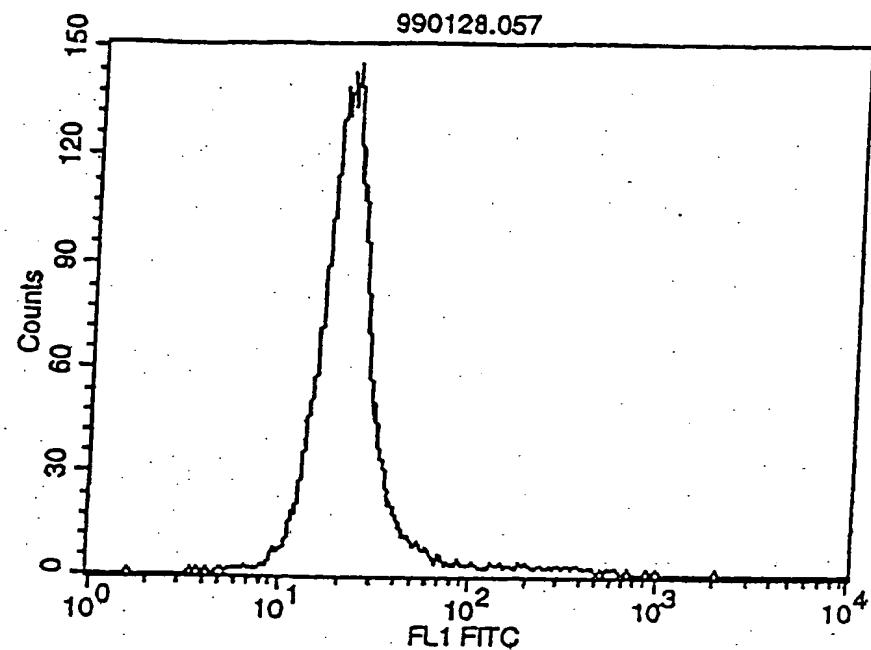
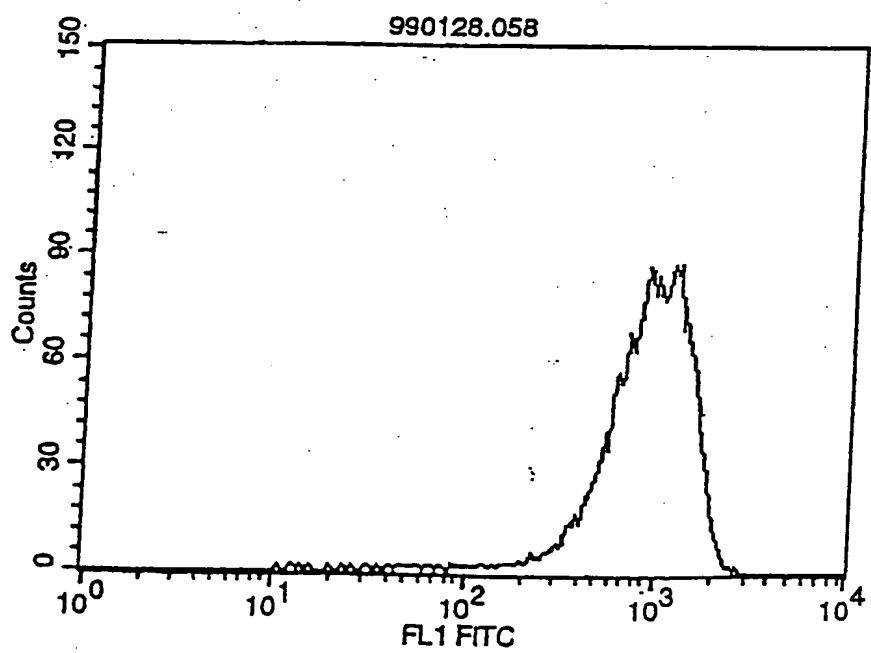


Fig. 11



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Fig. 12

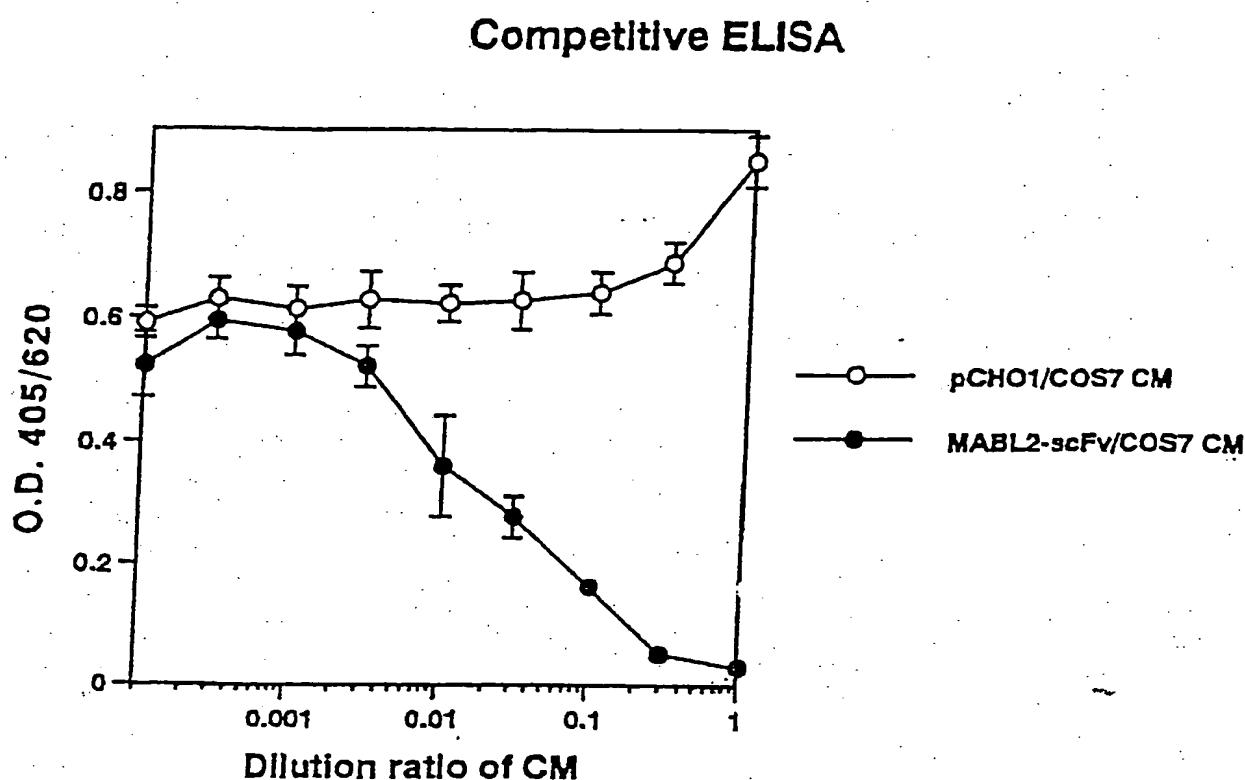
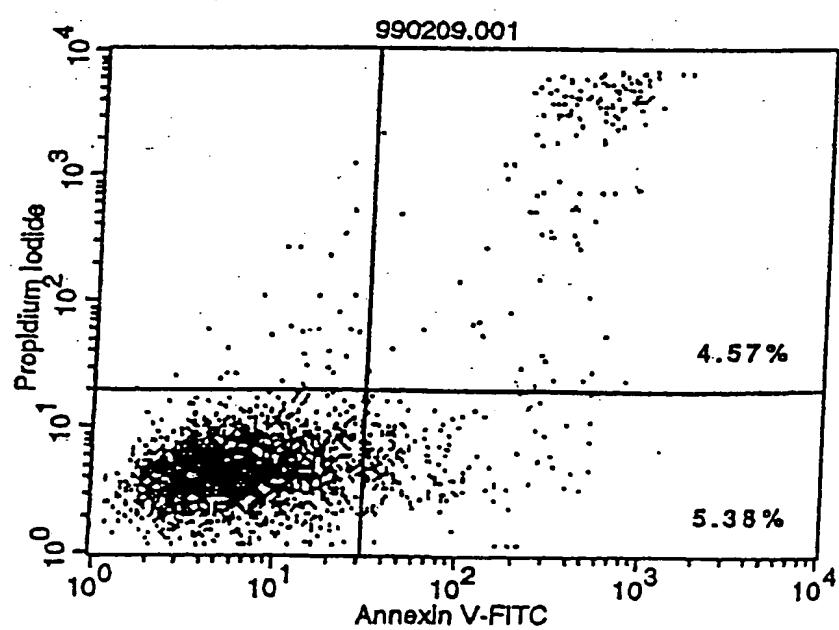


Fig. 13



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Fig. 14

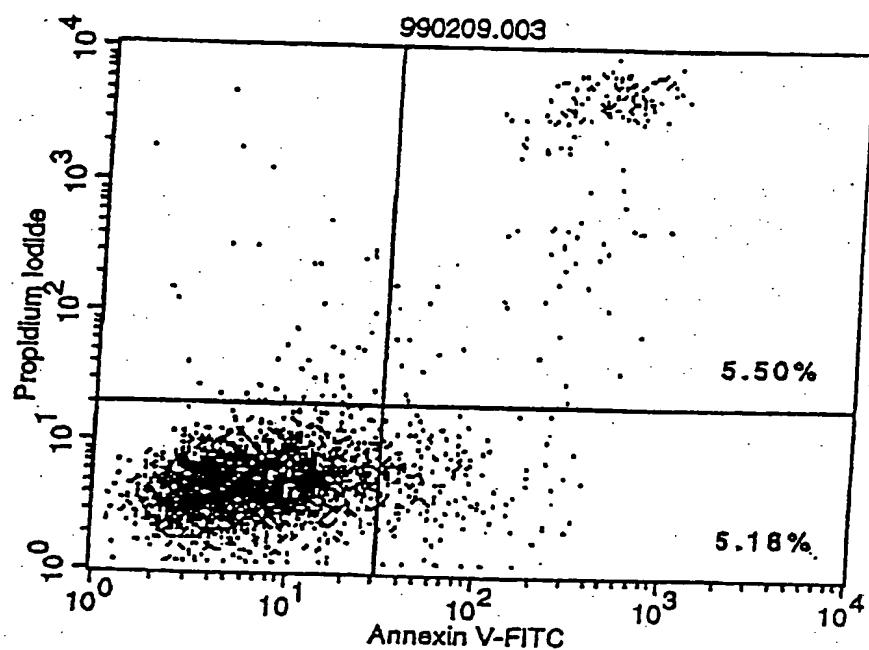
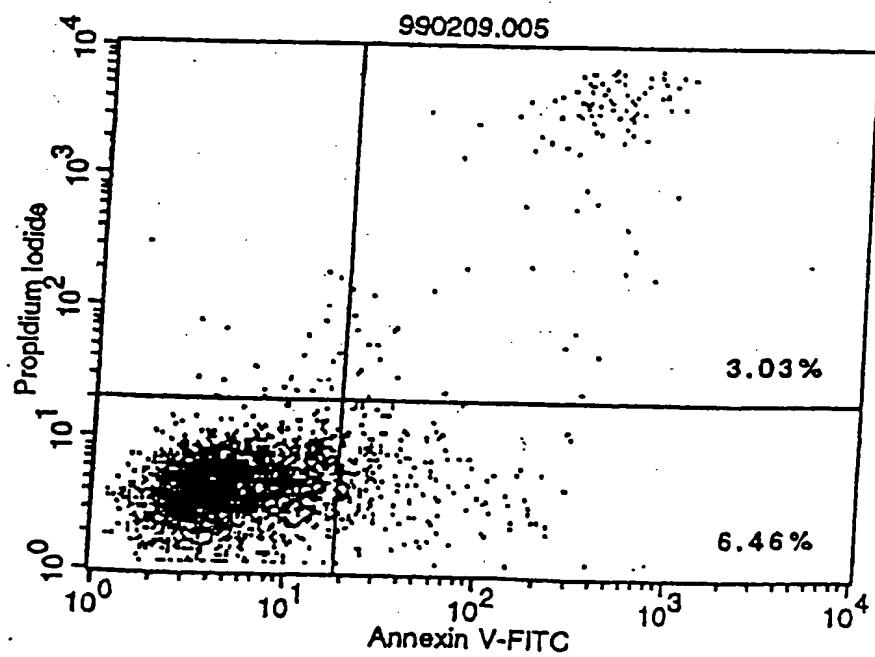


Fig. 15



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Fig. 16

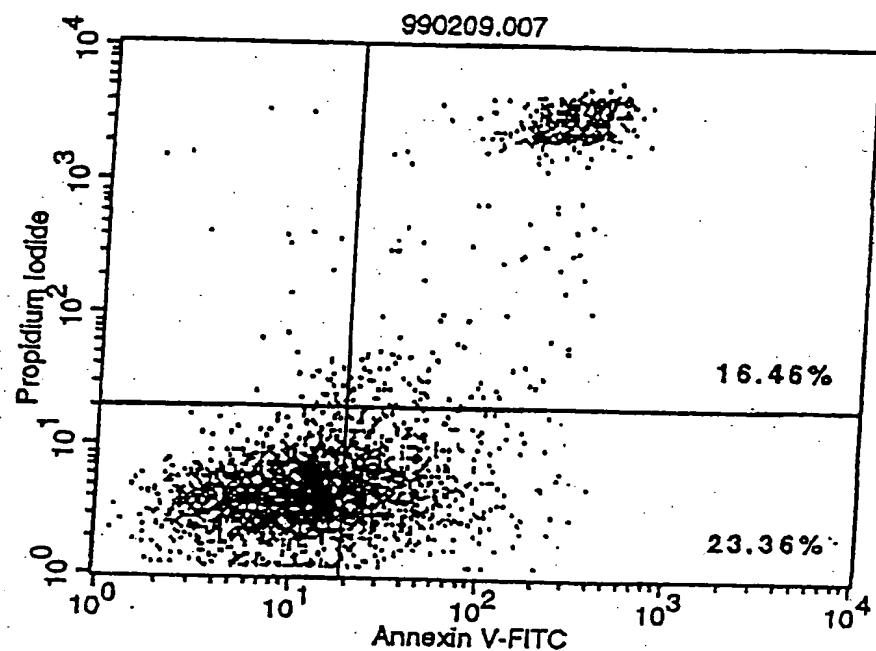


Fig. 17

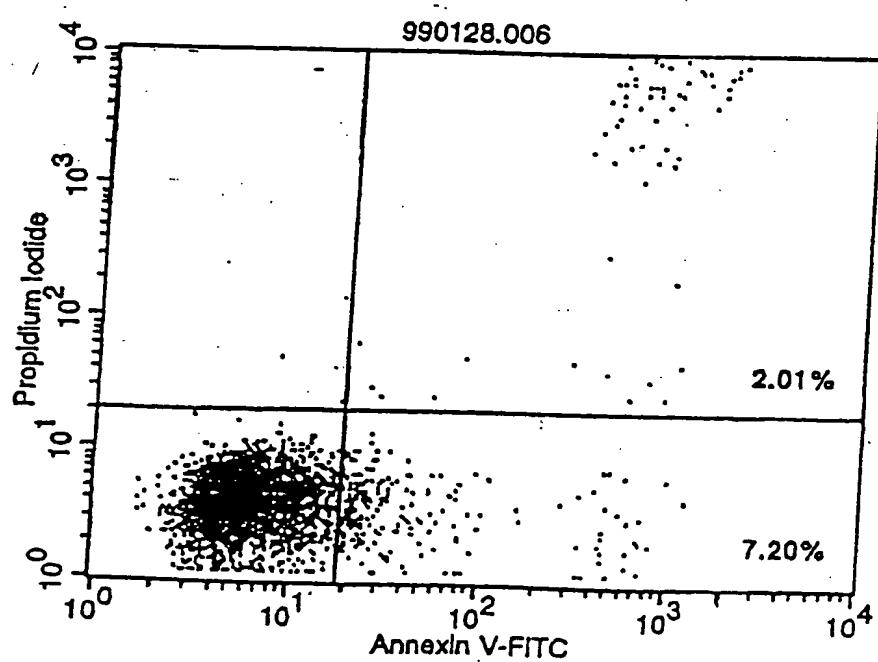


Fig. 18

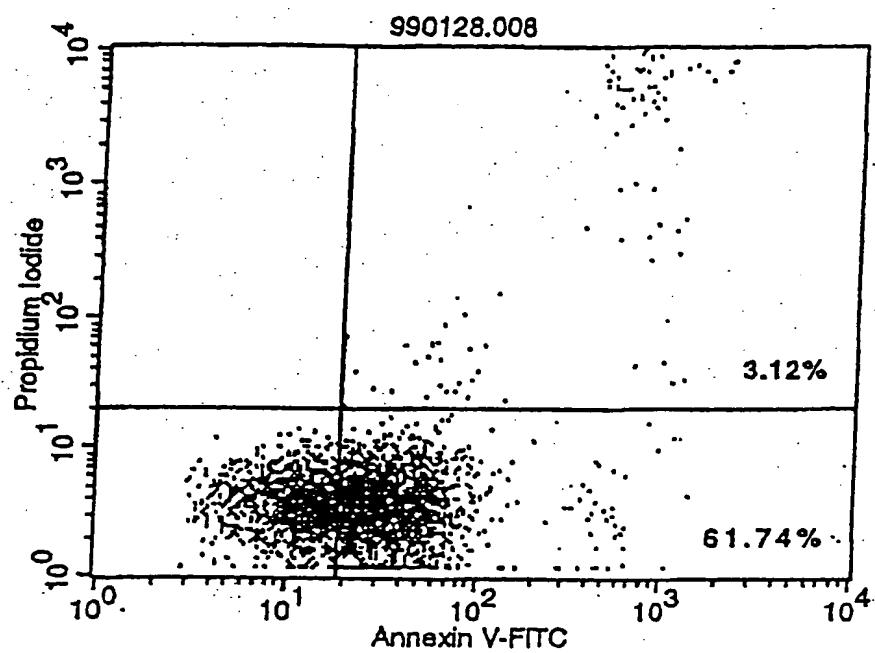


Fig. 19

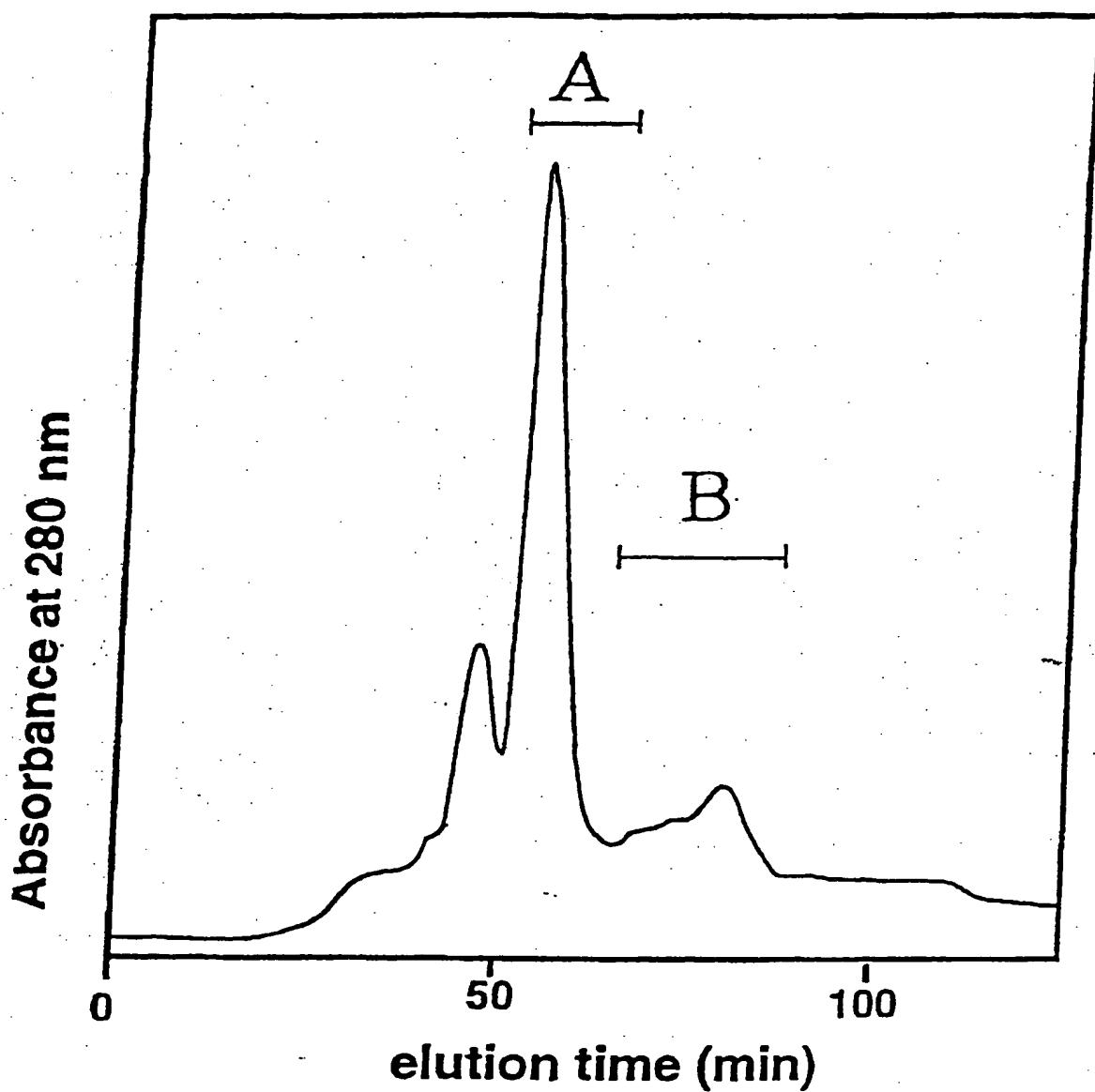


Fig. 20

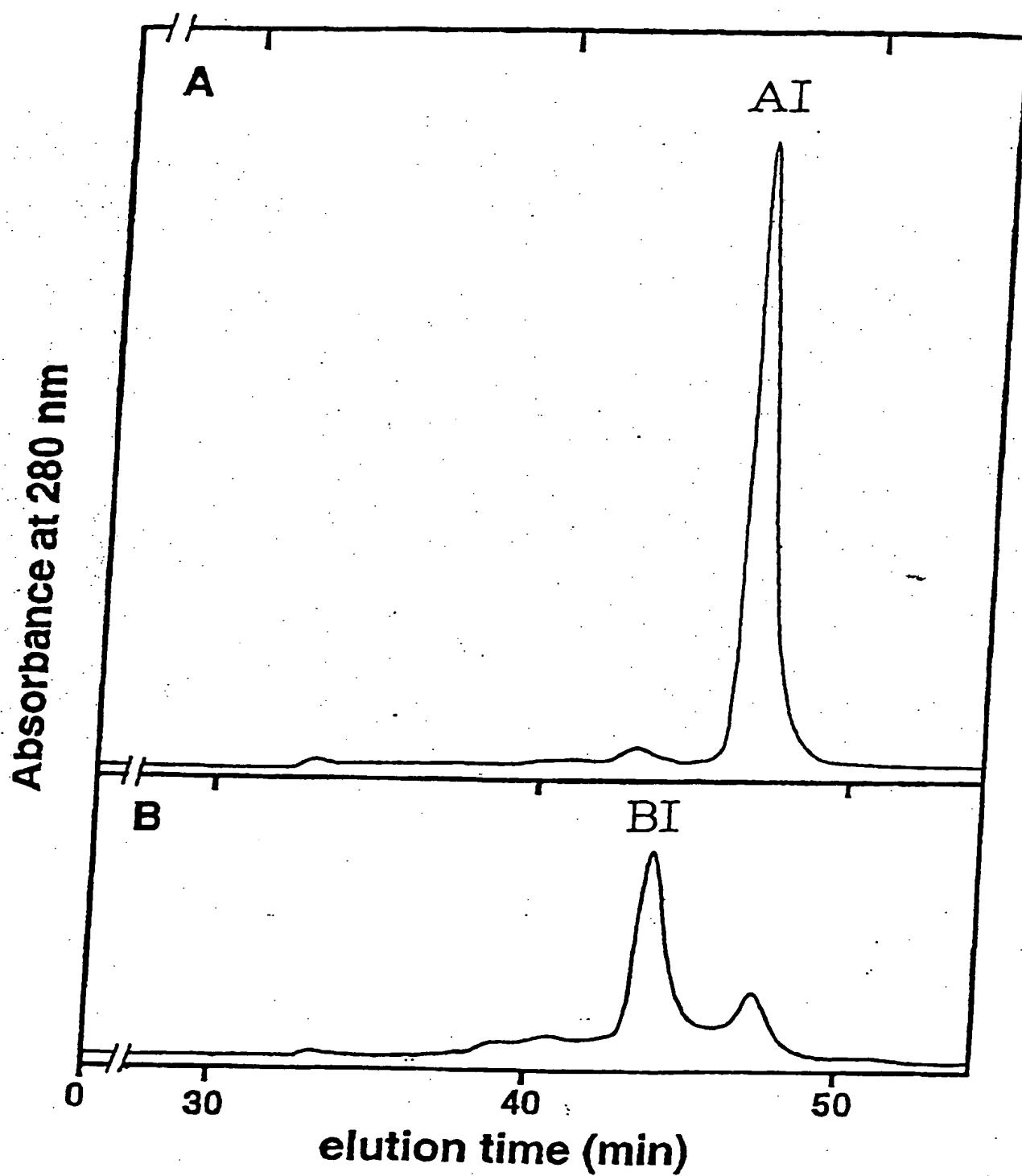
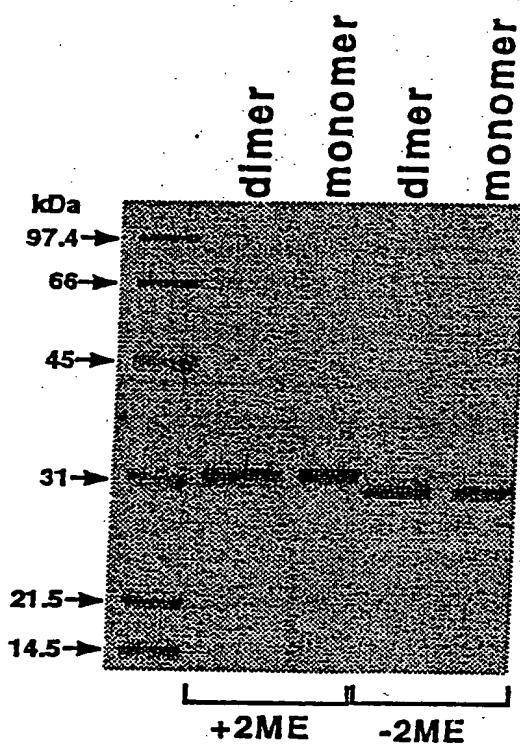


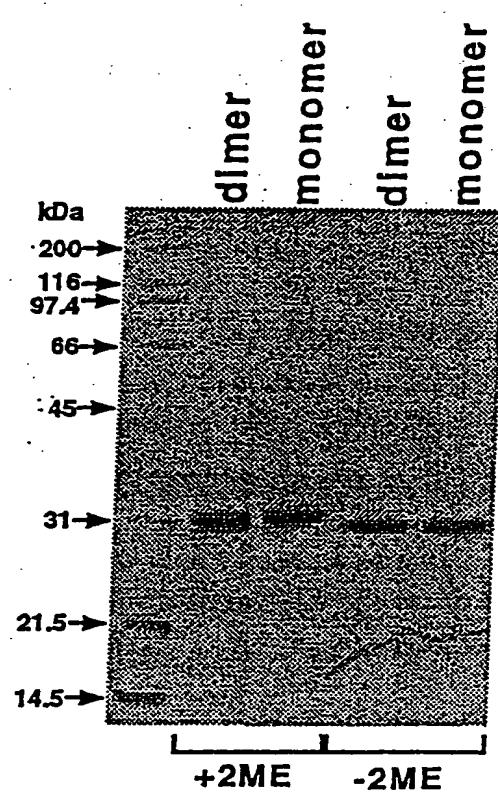
Fig. 21

SDS-PAGE analysis of MABL2-scFv

<CHO>



<E. coli>



TSK gel G3000SW
20 mM Acetate buffer, 0.15 M NaCl, pH 6.0

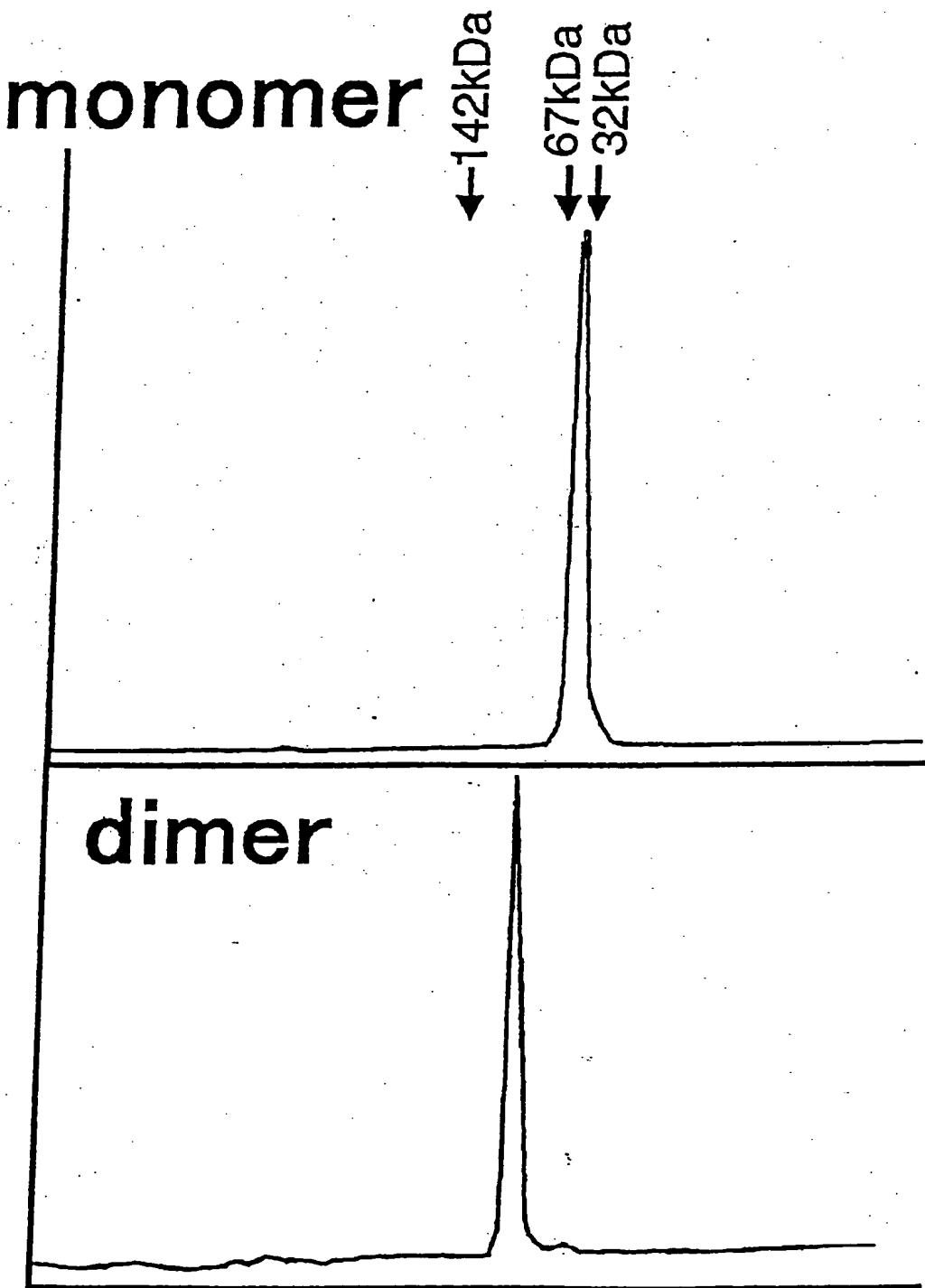
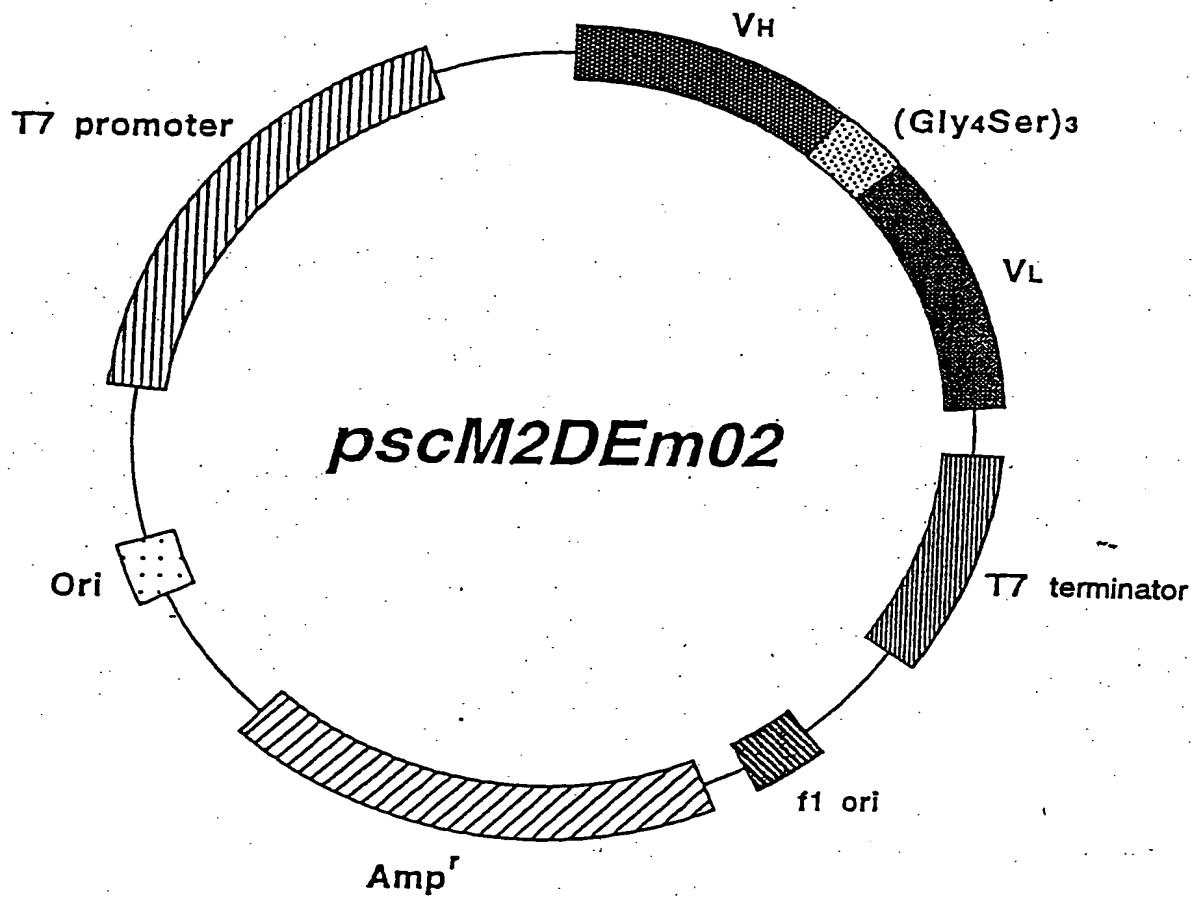
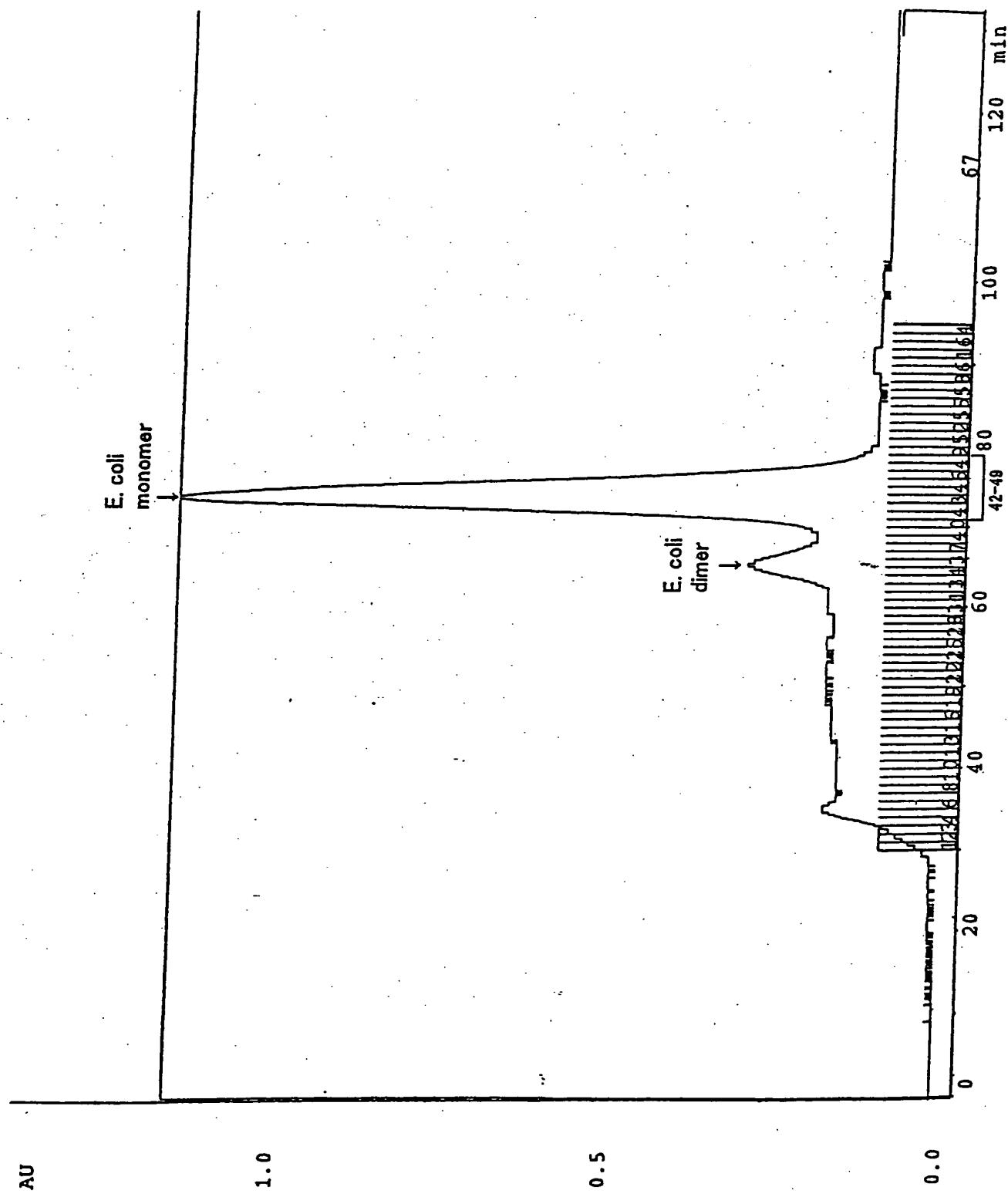


Fig. 23



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Fig. 24



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Fig. 25

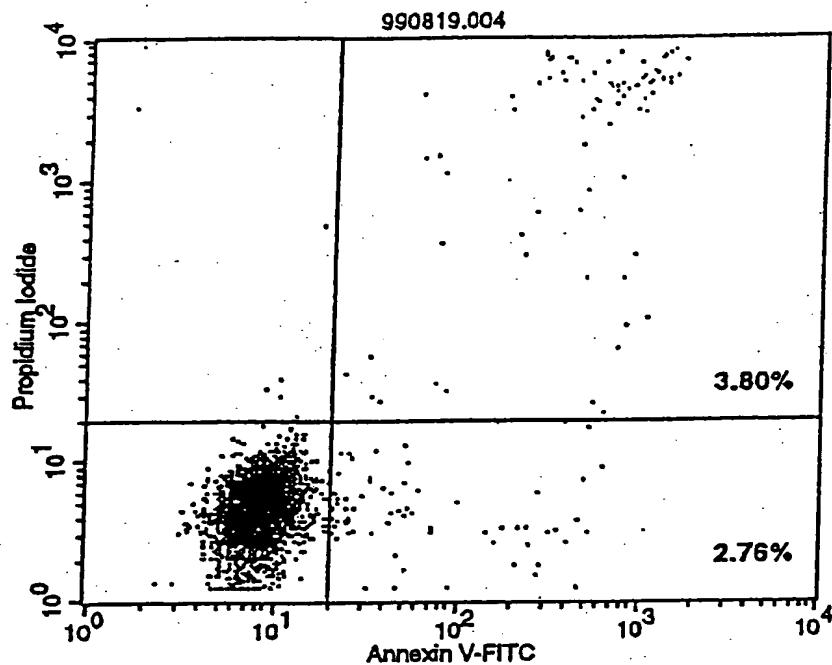
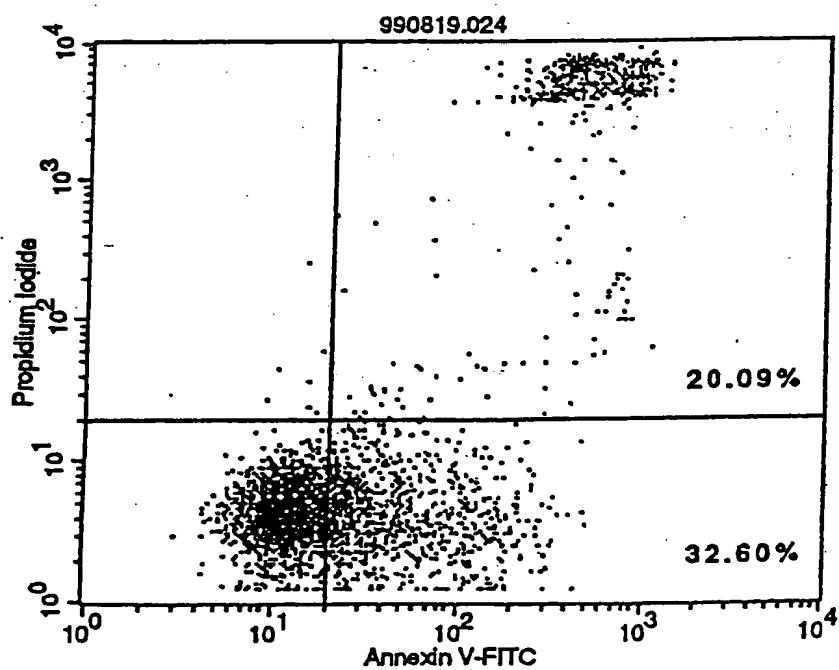


Fig. 26



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Fig. 27

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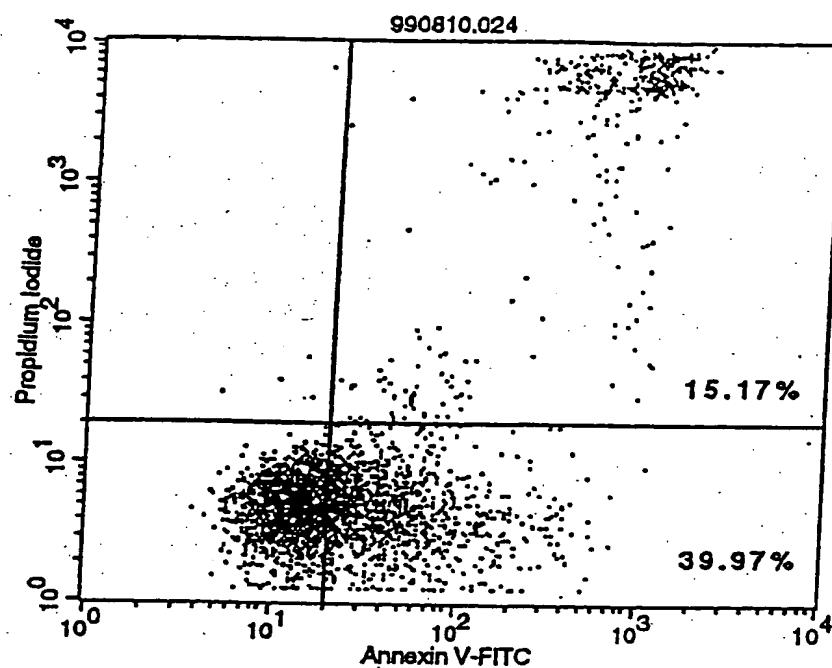
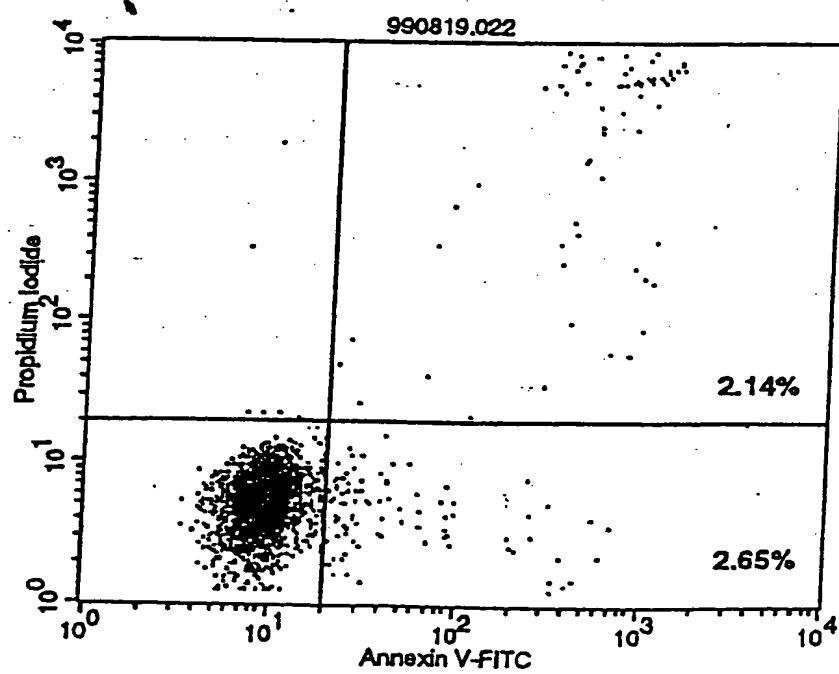
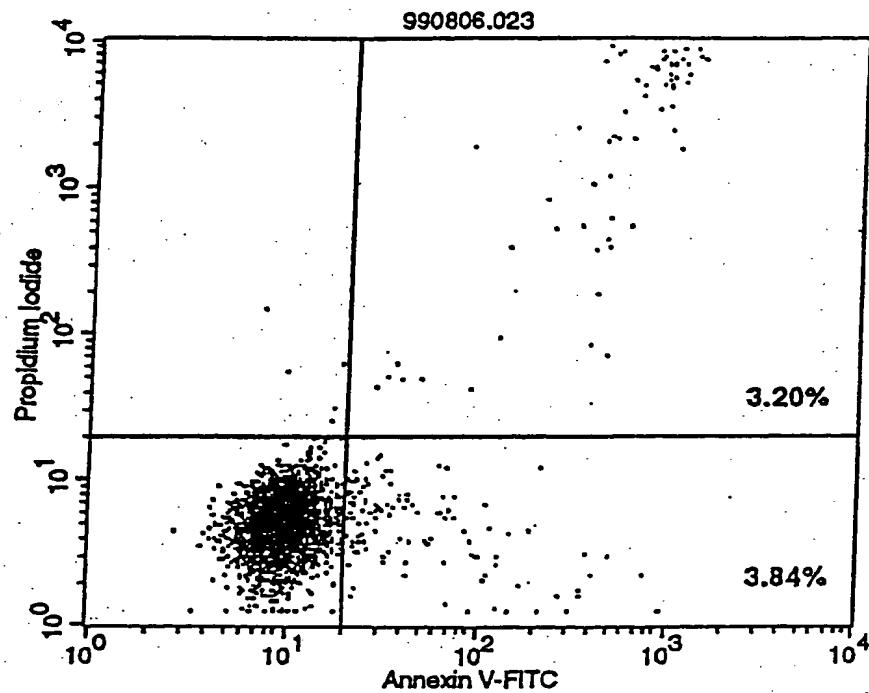


Fig. 28



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Fig. 29



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Fig. 30

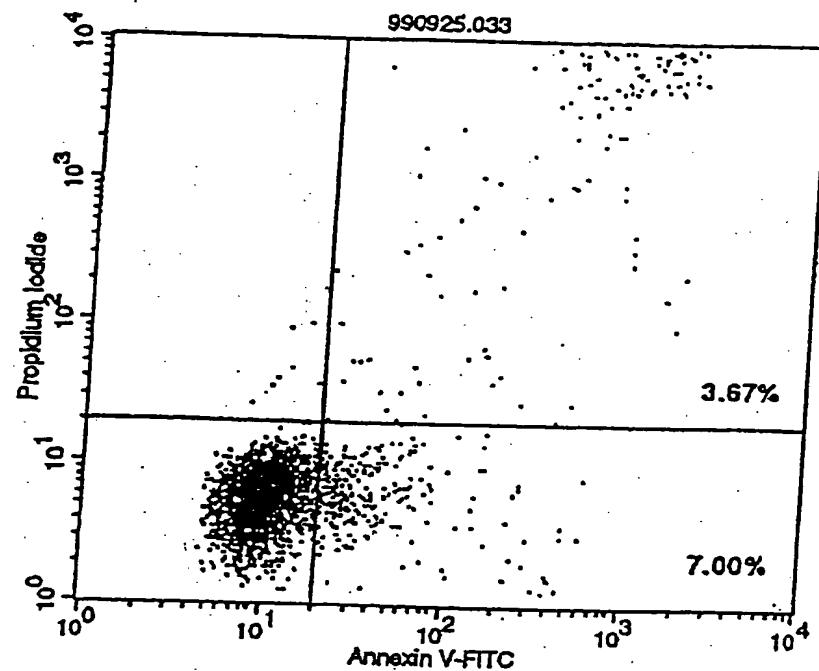


Fig. 31

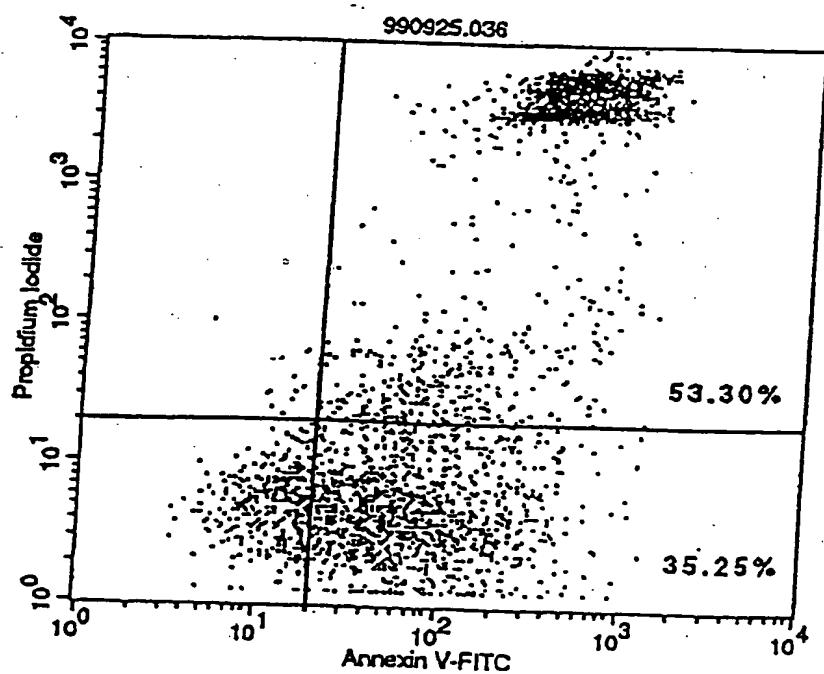
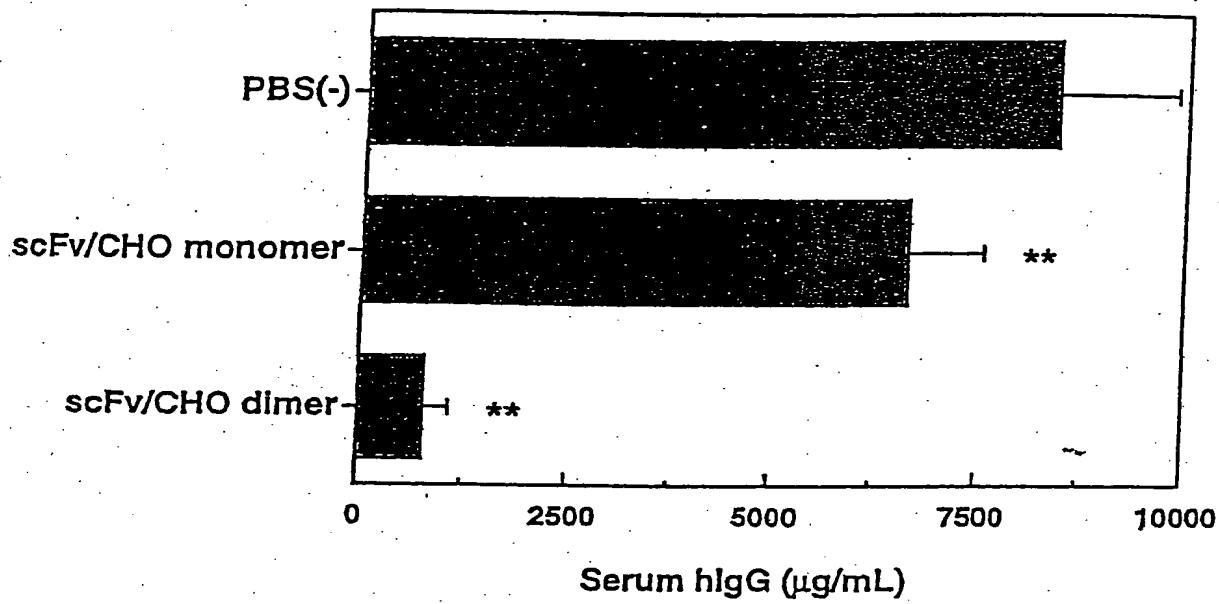


Fig. 32

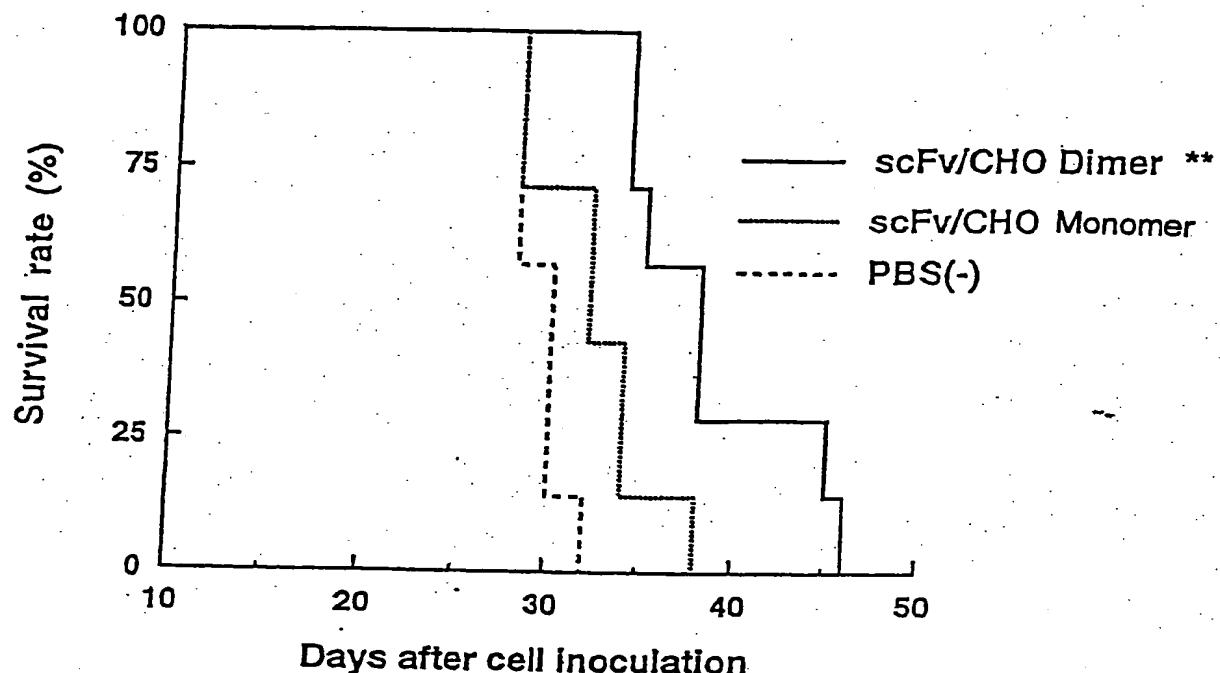
*Effect of MABL-2 (scFv) on serum hIgG
in KPMM2 i.v. SCID mice*



** : $p < 0.01$

Fig. 33

*Effect of MABL-2 (scFv) on survival
of KPMM2 i.v. SCID mice*



** ; P<0.01 by t-test

Fig. 34

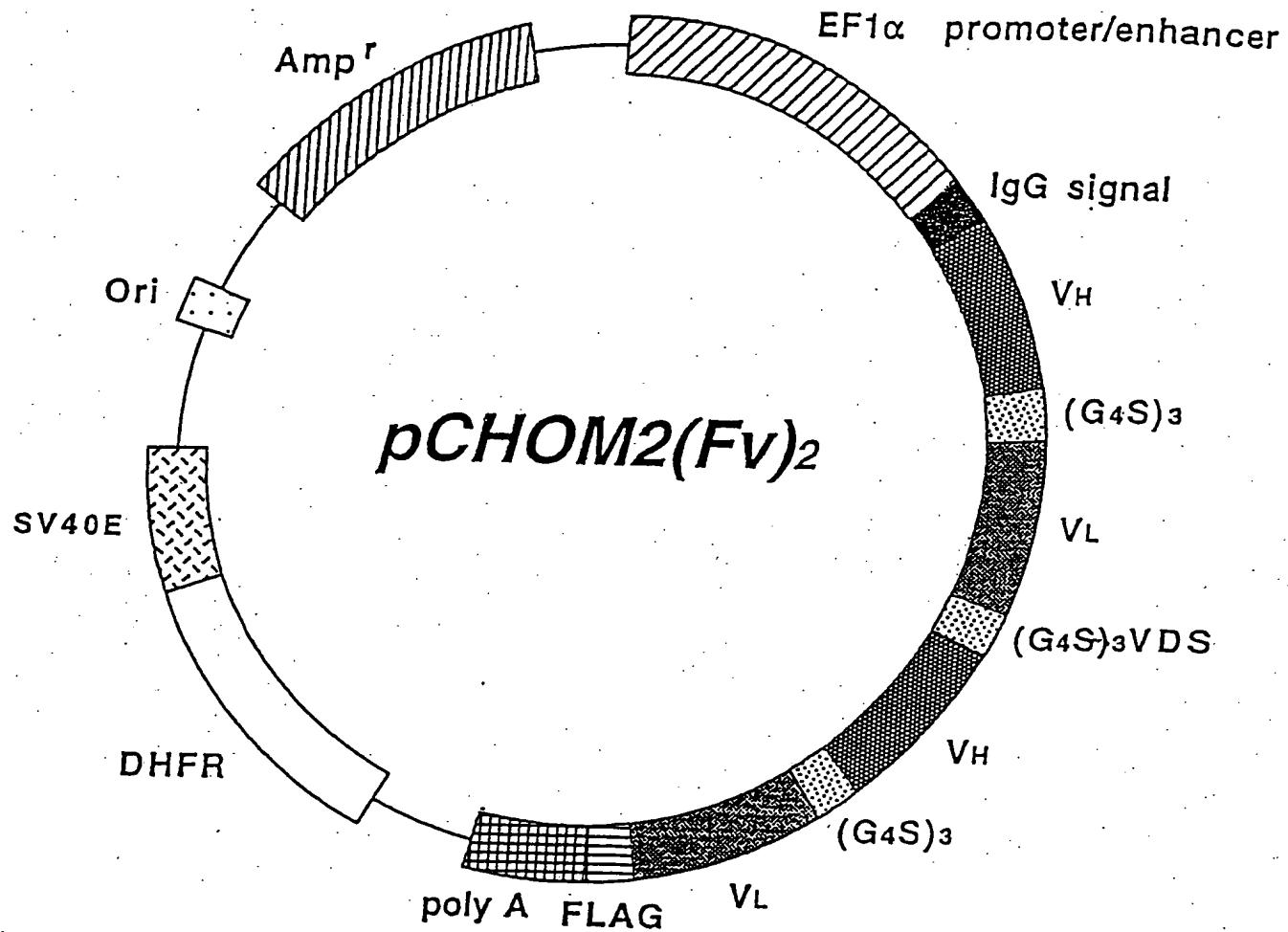
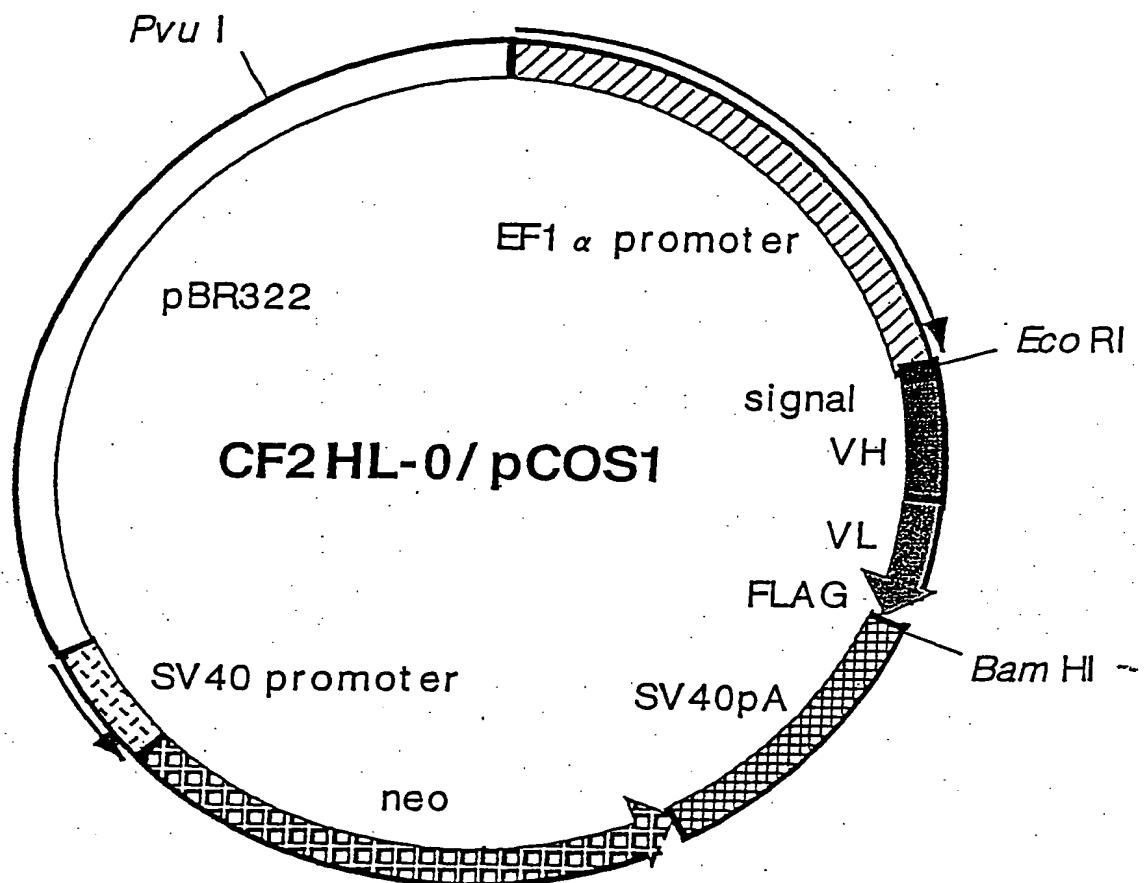


Fig. 35



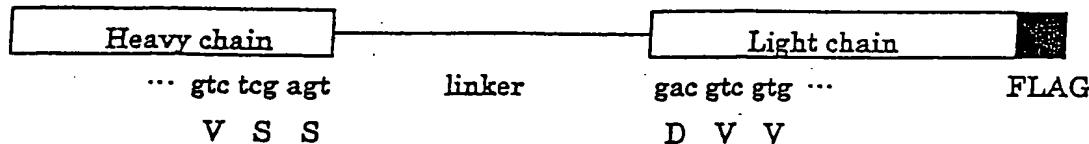
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Fig. 36

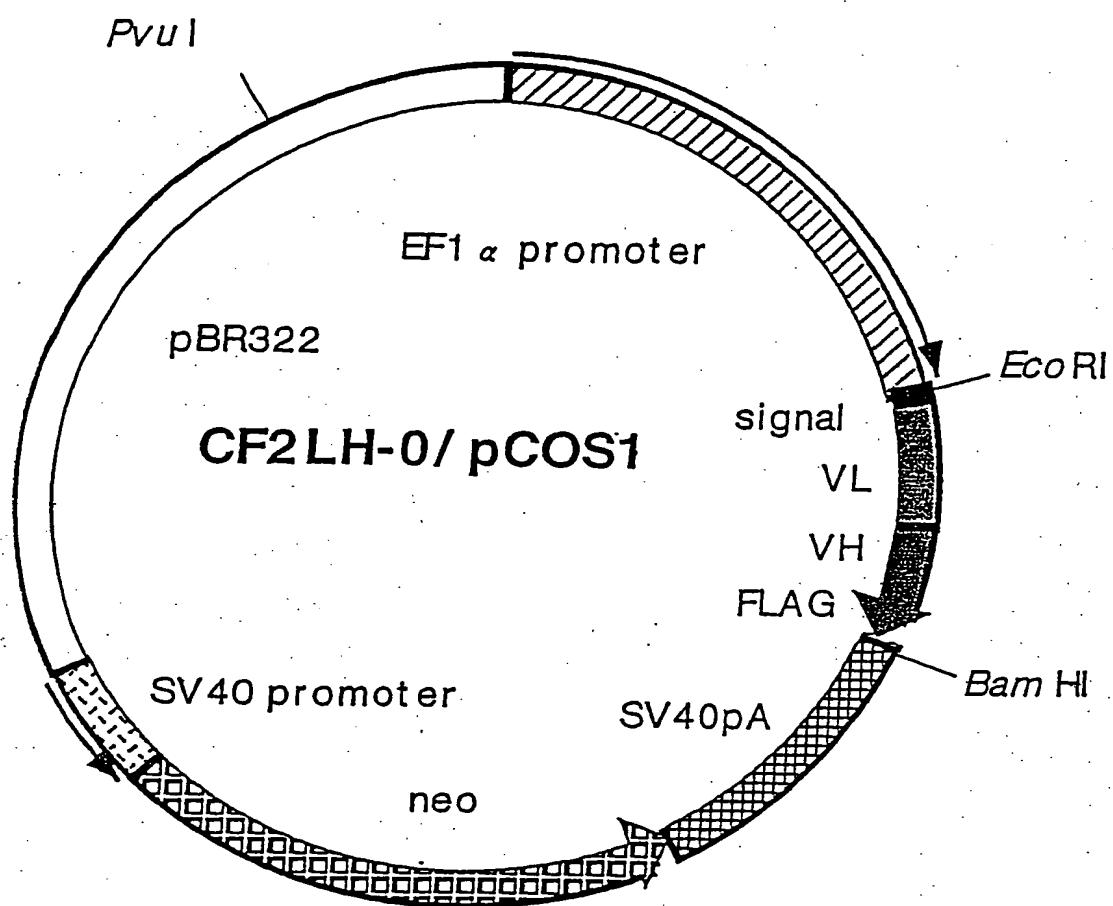
Base Sequence and Amino Acid Sequence of Linker for HL Type



<u>Plasmid</u>	Number of		<u>linker</u>
	<u>linker</u>	<u>amino acid</u>	
CF2HL-0/pCOS1	0	gtc tcg agt V S S	gac gtc gtg D V V
CF2HL-3/pCOS1	3	gtc tcg agt ggt ggt tcc V S S G G S	gac gtc gtg D V V
CF2HL-4/pCOS1	4	gtc tcg agt ggt ggt ggt tcc V S S G G G S	gac gtc gtg D V V
CF2HL-5/pCOS1	5	gtc tcg agt ggt ggt ggt ggt tcc V S S G G G G S	gac gtc gtg D V V
CF2HL-6/pCOS1	6	gtc tcg agt gt ggt ggt ggt ggt tcc V S S G G G G G S	gac gtc gtg D V V
CF2HL-7/pCOS1	7	gtc tcg agt ggt ggt ggt ggt ggt tcc V S S G G G G G S	gac gtc gtg D V V

Fig. 37

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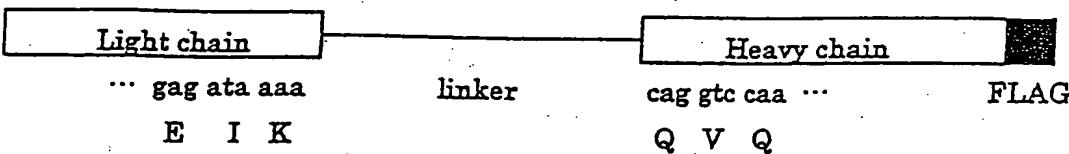
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Fig. 38

Base Sequence and Amino Acid Sequence of Linker for LH Type



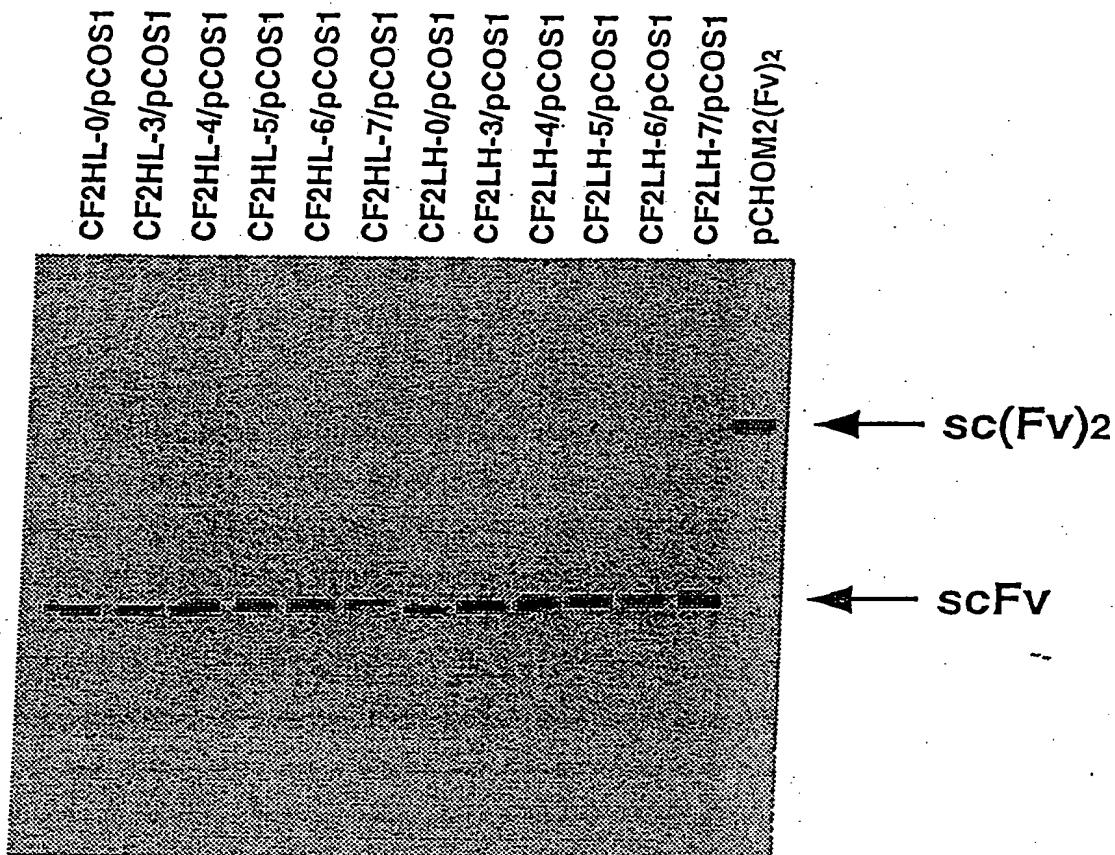
Plasmid	linker amino acid	Number of	
		linker	
CF2LH-0/pCOS1	0	gag ata aaa E I K	cag gtc caa Q V Q
CF2LH-3/pCOS1	3	gag ata aaa tcc gga ggc E I K S G G	cag gtc caa Q V Q
CF2LH-4/pCOS1	4	gag ata aaa tcc gga ggt ggc E I K S G G G	cag gtc caa Q V Q
CF2LH-5/pCOS1	5	gag ata aaa tcc gga ggt ggt ggc E I K S G G G G	cag gtc caa Q V Q
CF2LH-6/pCOS1	6	gag ata aaa tcc gga ggt ggt ggt ggc E I K S G G G G G	cag gtc caa Q V Q
CF2LH-7/pCOS1	7	gag ata aaa tcc gga ggt ggt ggt ggt ggc E I K S G G G G G G Q V Q	cag gtc caa

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Fig. 39

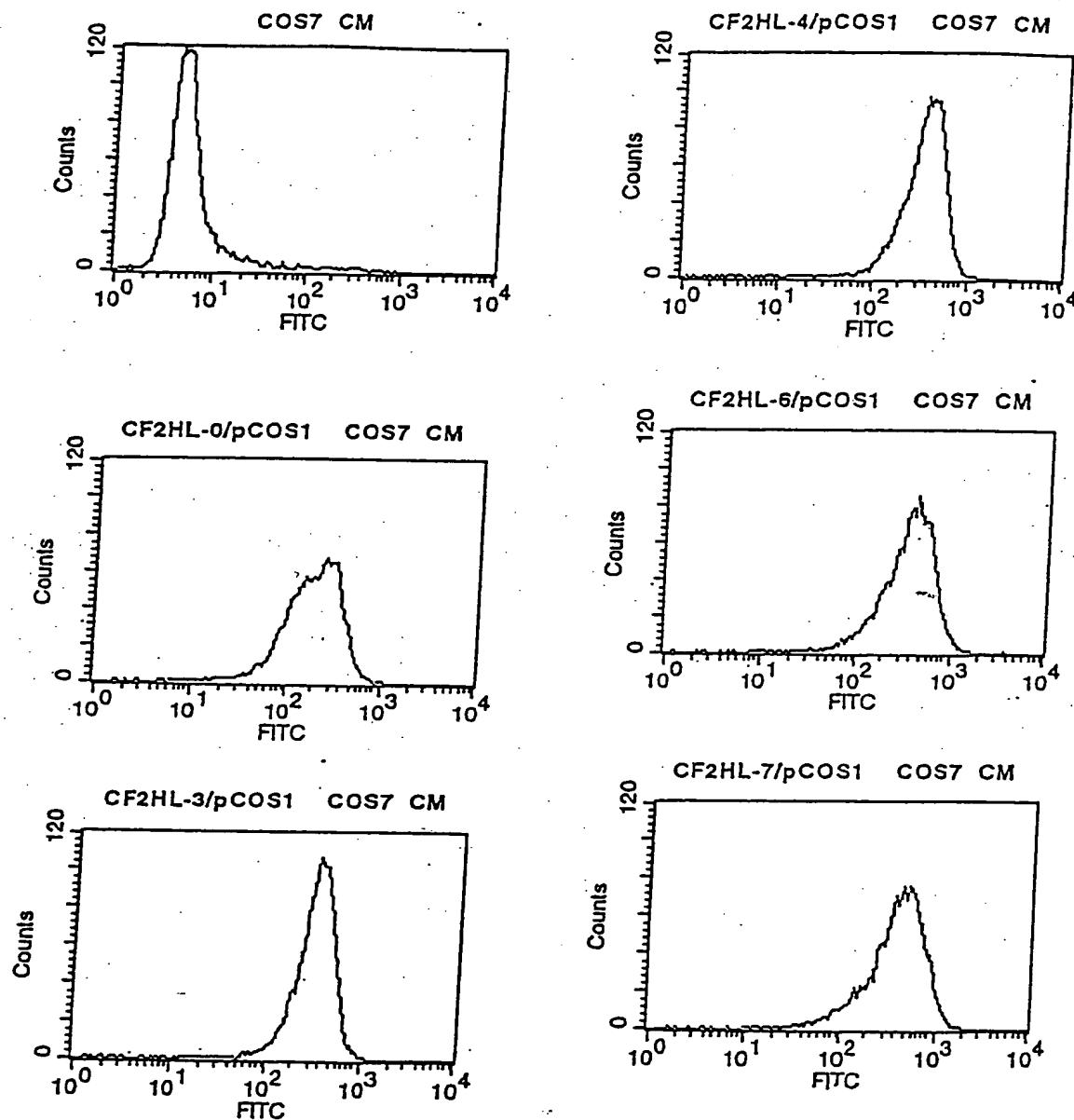


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Fig. 40a

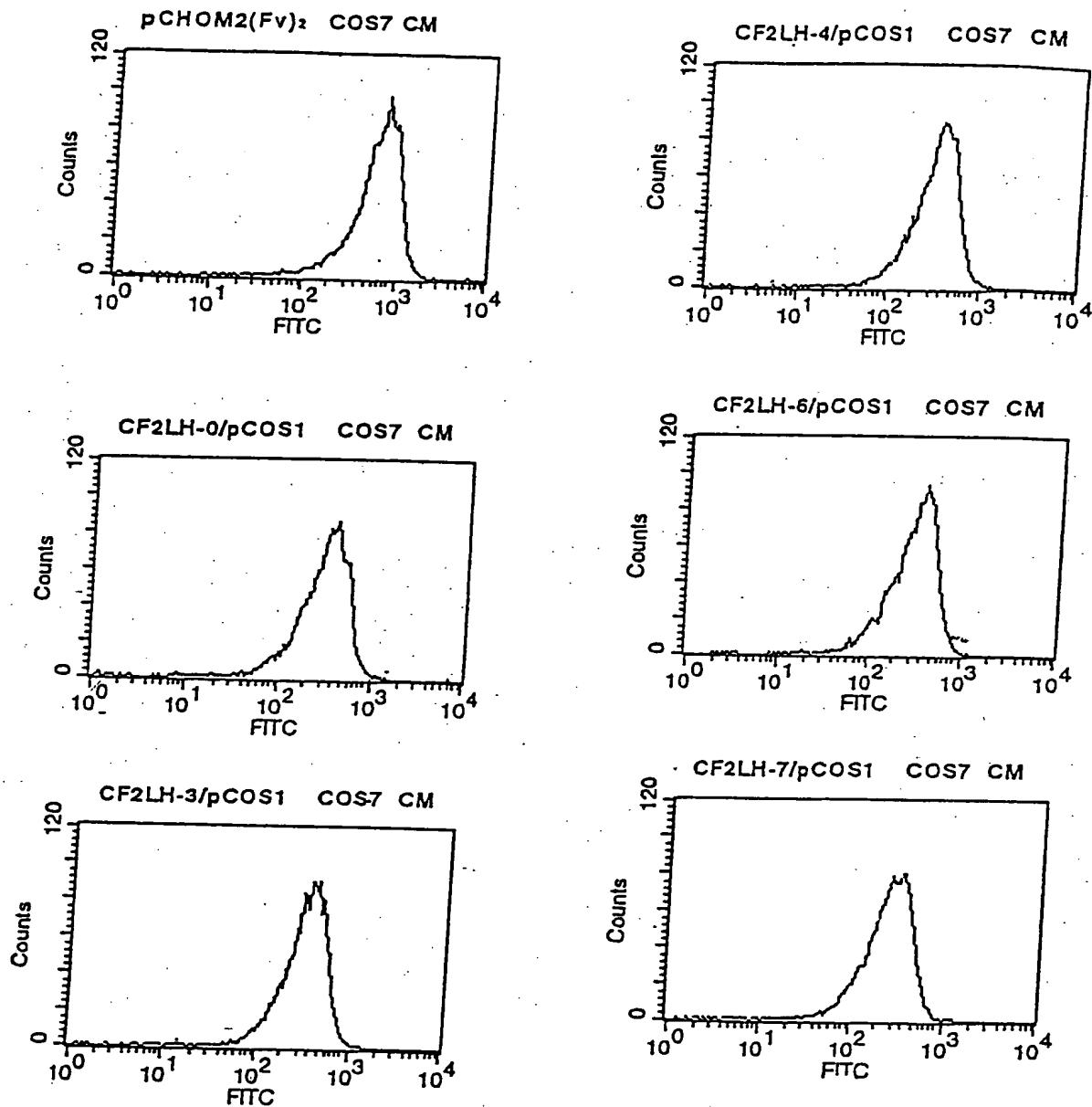


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Fig. 40b



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Fig. 41

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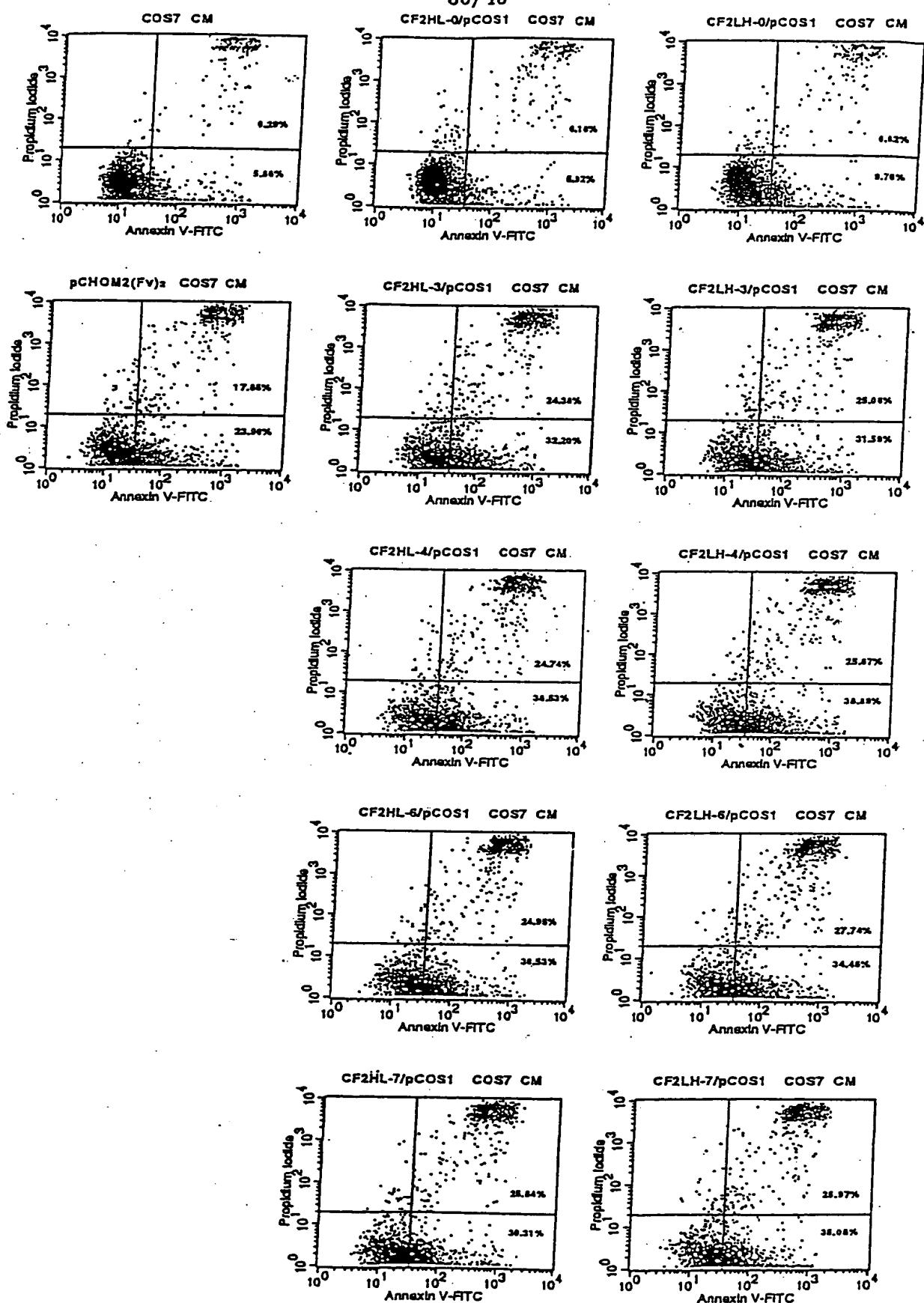


Fig. 42

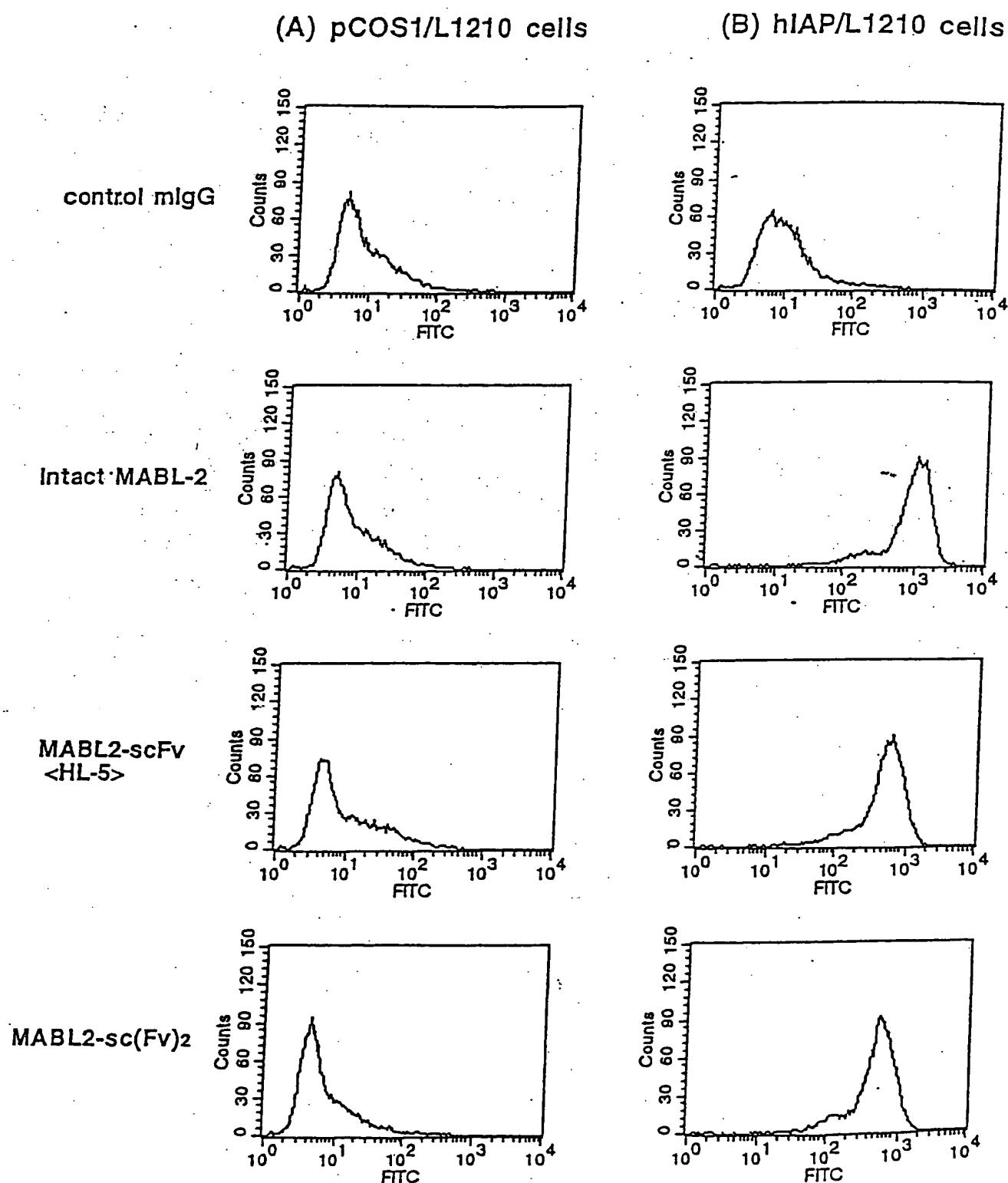
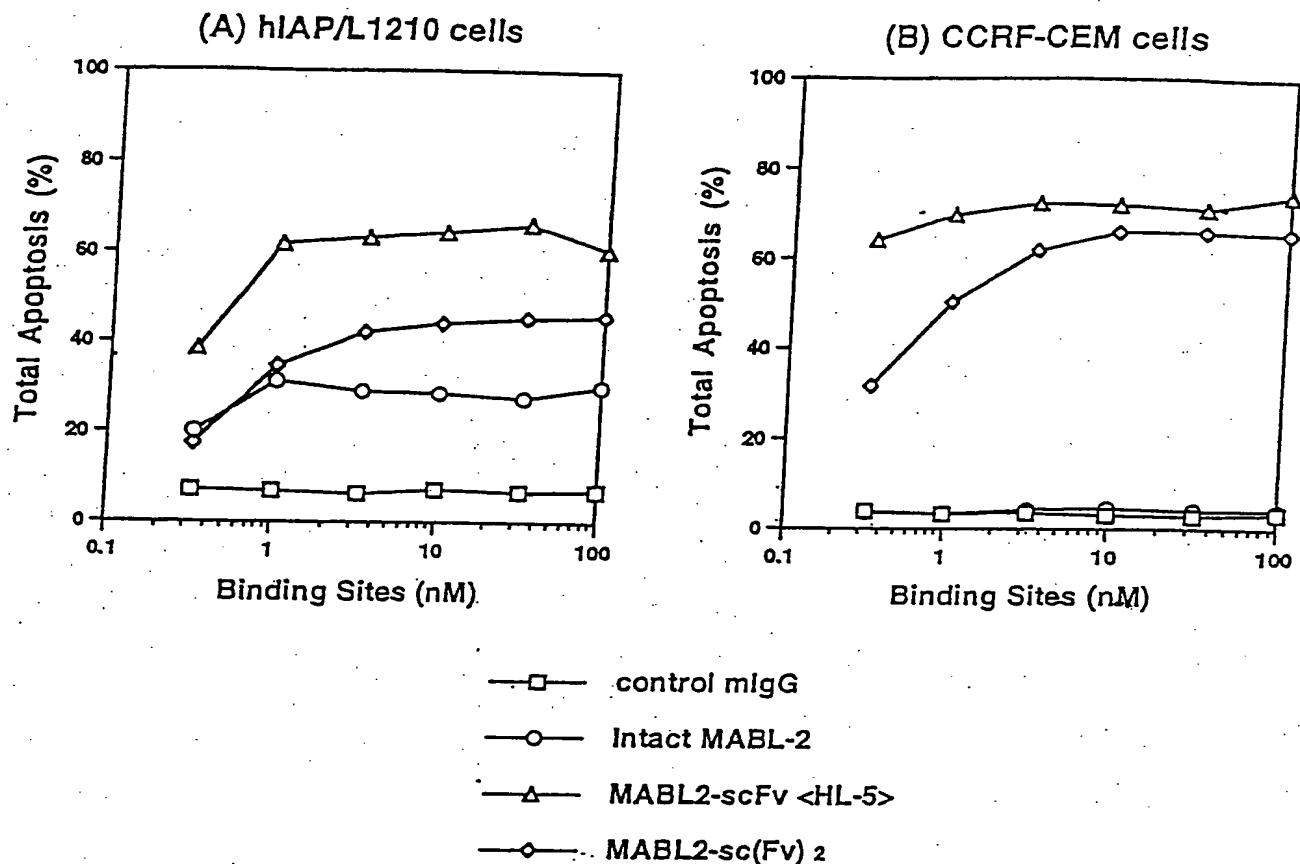


Fig. 43

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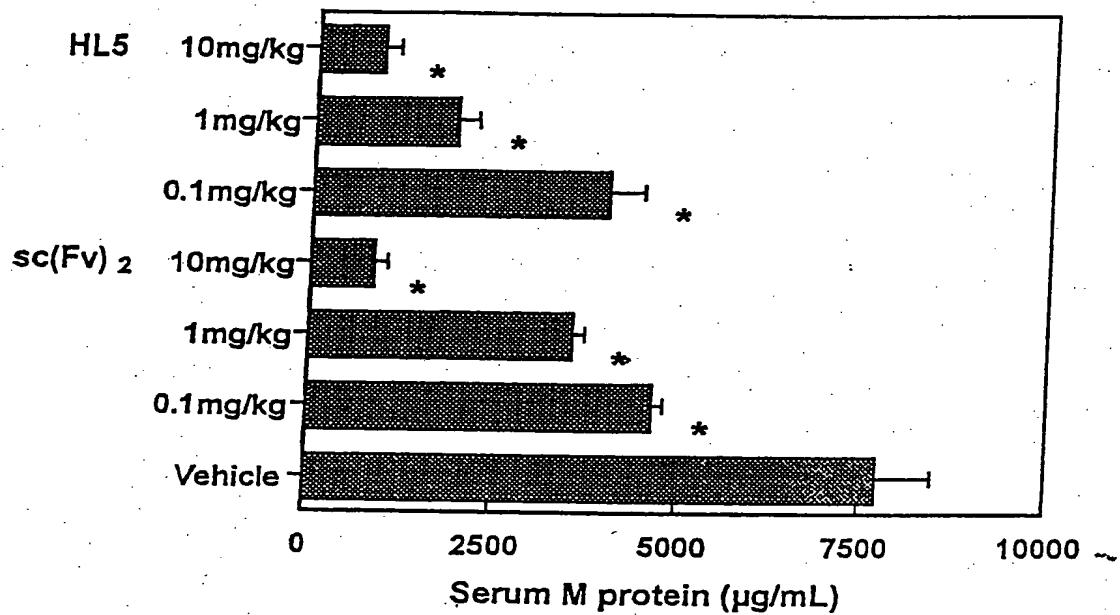


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Fig. 44



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Fig. 45

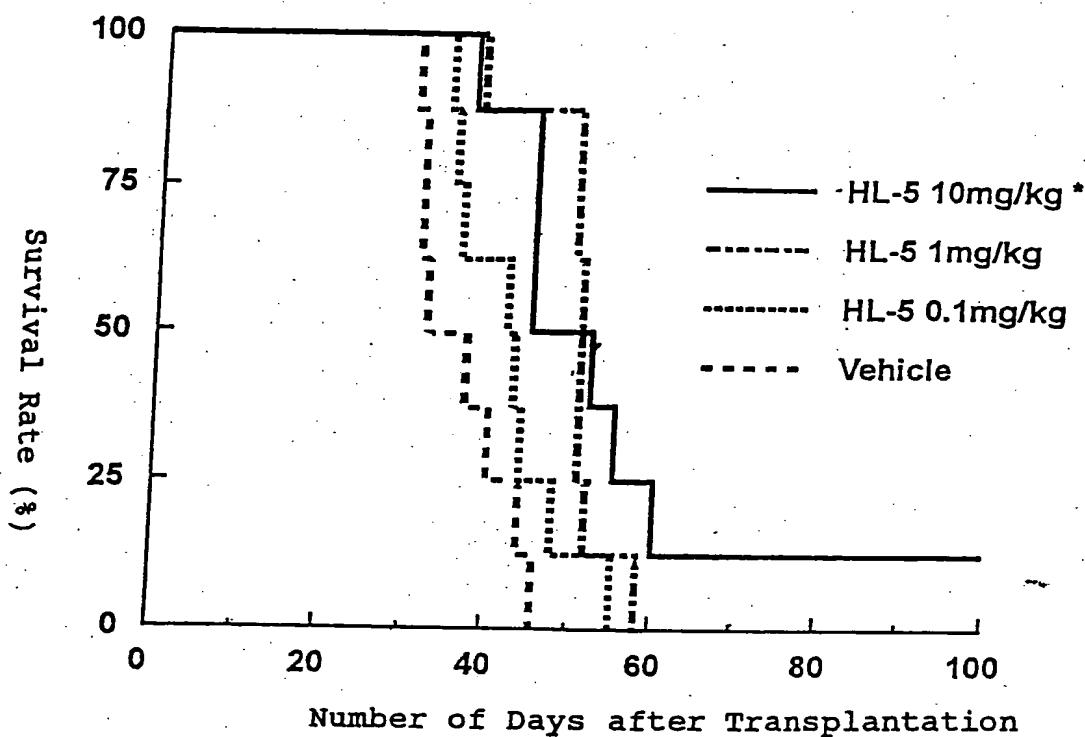


Fig. 46

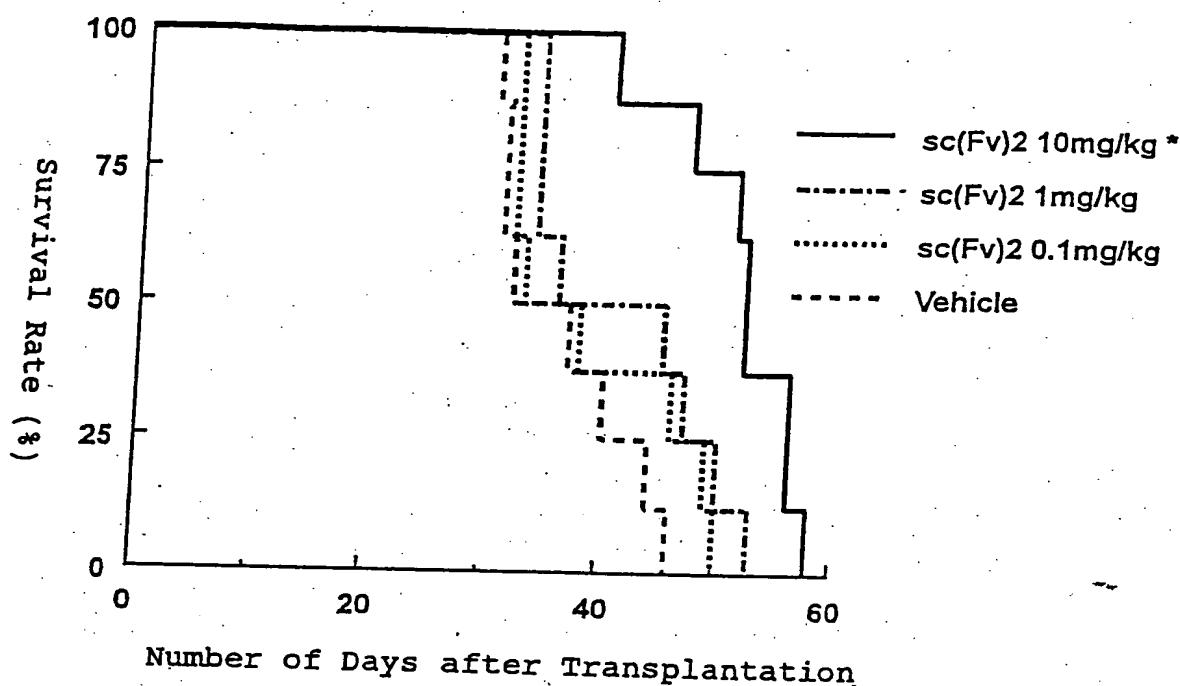
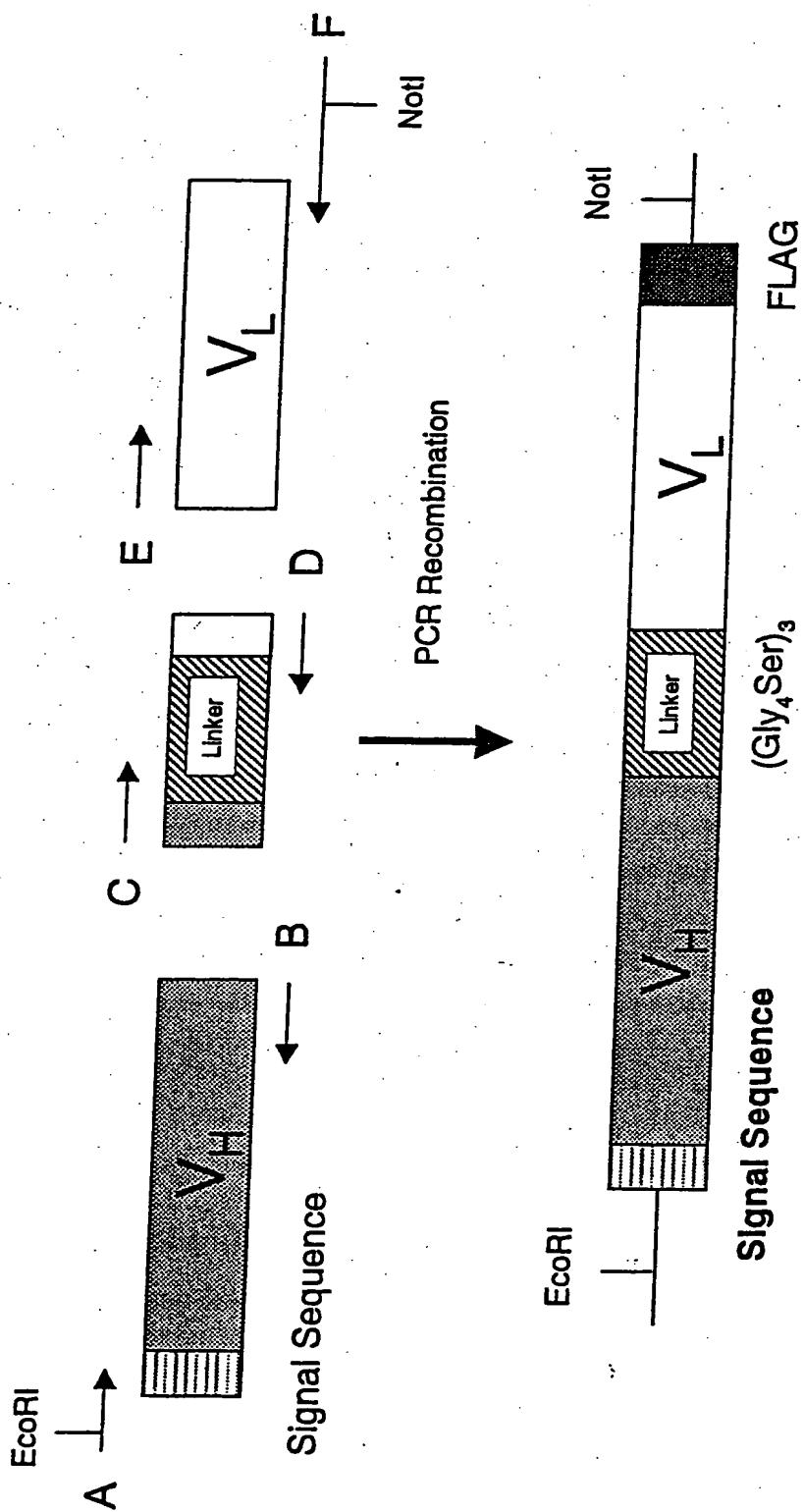


Fig. 47



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Fig. 48

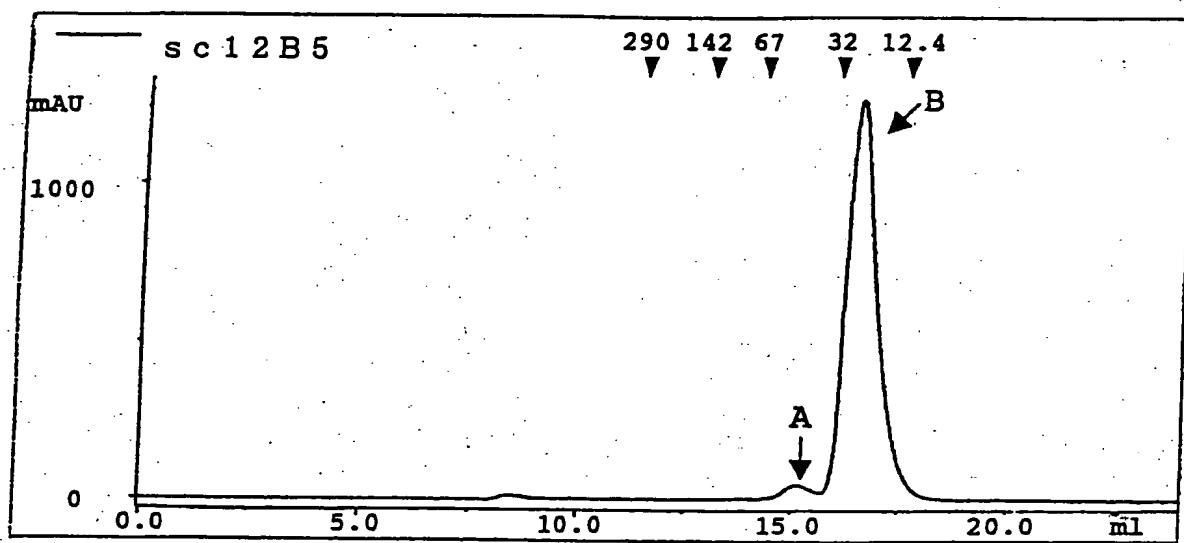


Fig. 49

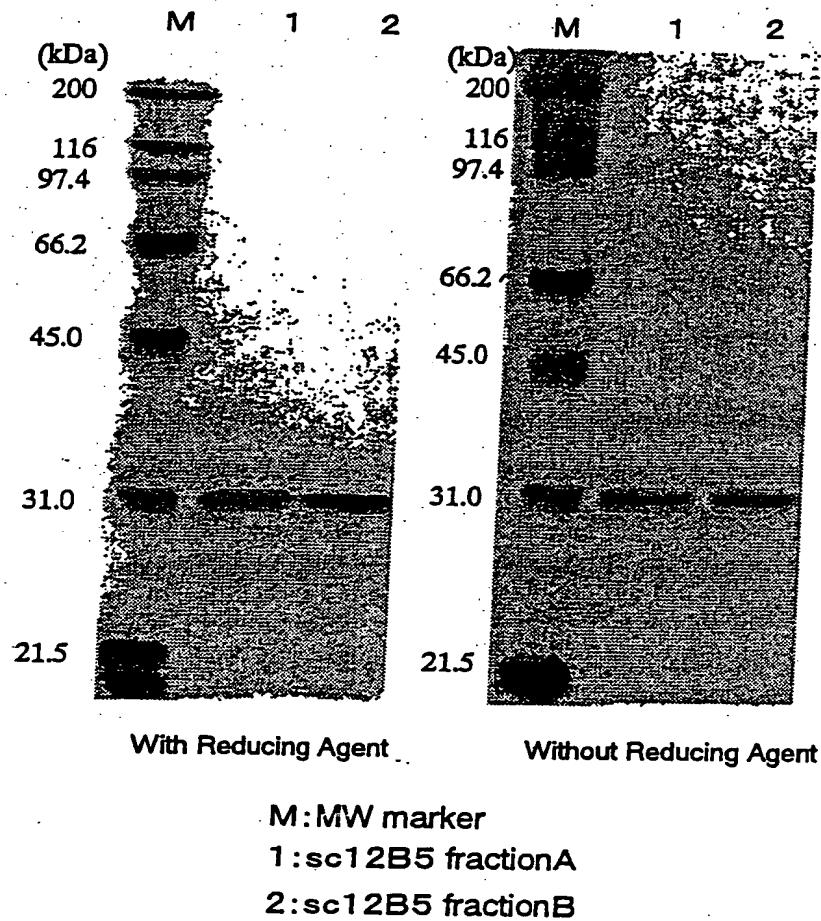


Fig. 50

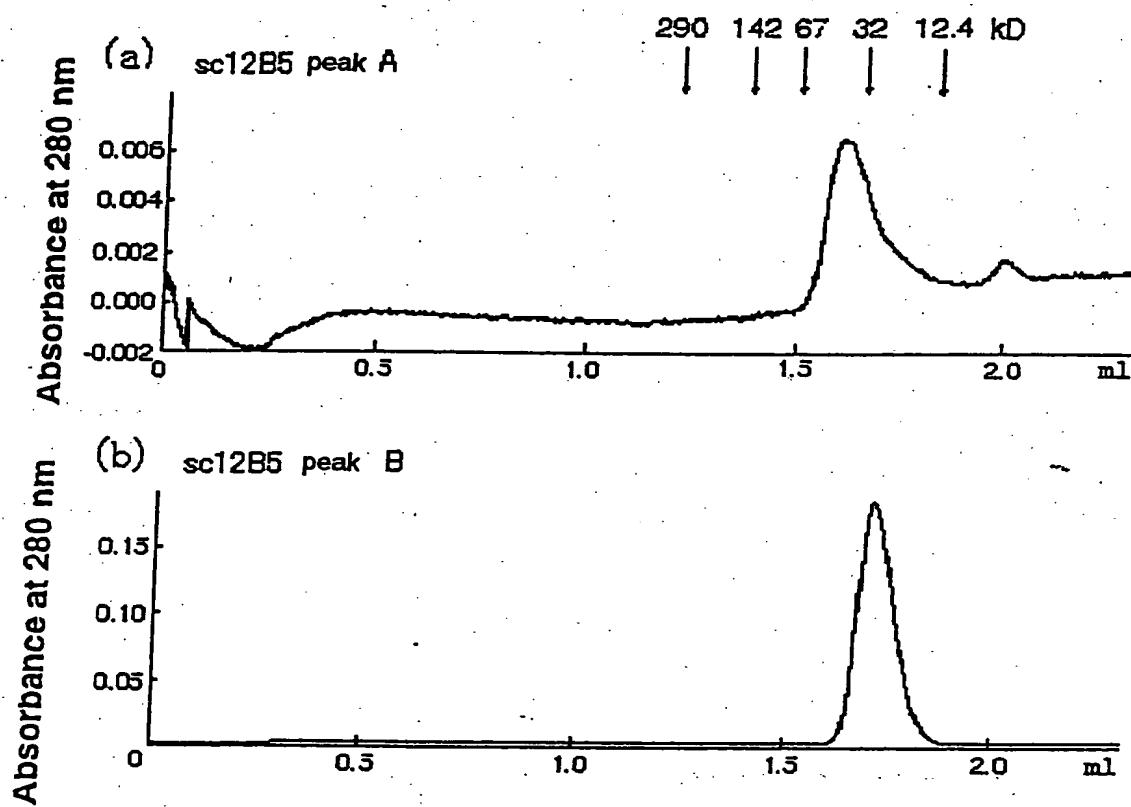


Fig. 51

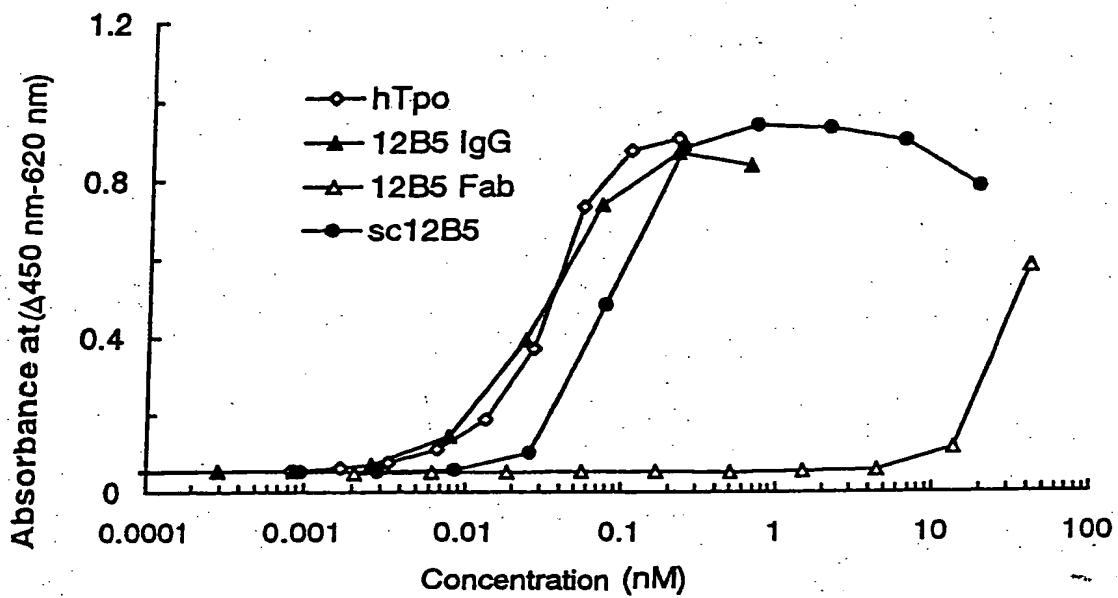
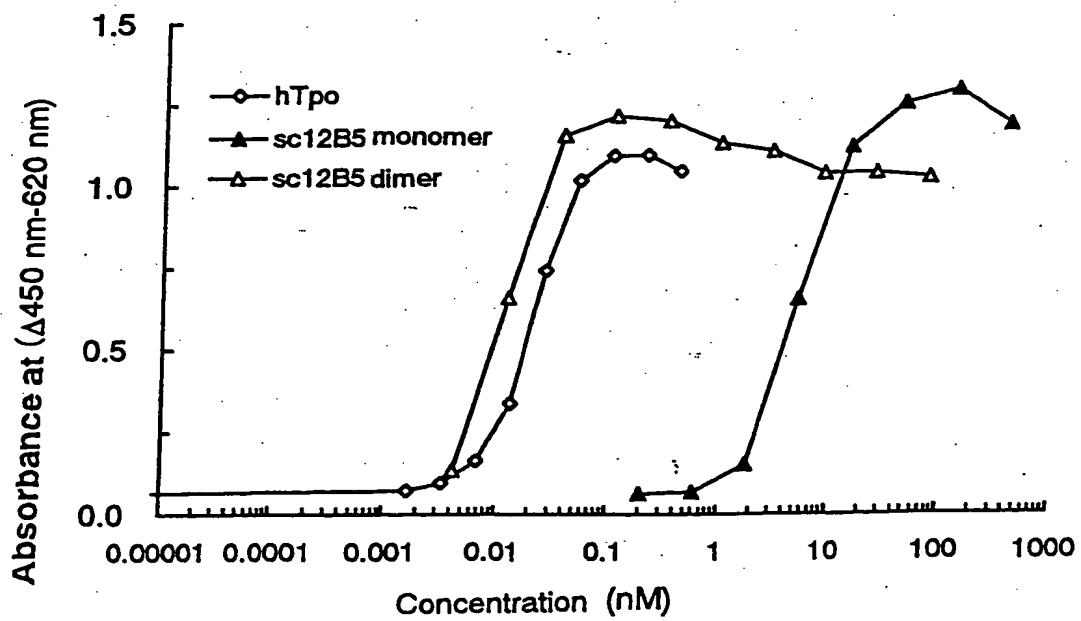


Fig. 52



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